

Antisera of Yanaihara Institute Inc.

Antisera of Yanaihara Institute Inc. 250

Manufacturer:

YANAIHARA INSTITUTE INC.

2480-1 AWAKURA, FUJINOMIYA-SHI
SHIZUOKA, 418-0011
JAPAN

PHONE: +81-(0)544-22-2771
FAX: +81-(0)544-22-2770
E-mail: ask@yanaihara.co.jp

Distributor:

PEPTIDE INSTITUTE, INC.

4-1-2 INA, MINOH-SHI
OSAKA, 562-8686
JAPAN

PHONE: +81-(0)72-729-4121
FAX: +81-(0)72-729-4124
E-mail: info@peptide.co.jp

Code	Product	Host (Animal)	Page
Y260	Anti Acidic-FGF (1-15) (Bovine) Serum	Rabbit	262
Y352	Anti ACTH (1-23) (Rat) Serum	Rabbit	264
Y351	Anti ACTH (21-39) (Rat) Serum	Rabbit	264
Y350	Anti ACTH (Rat) Serum	Rabbit	264
Y410	Anti Angiostatin (128-141) (Mouse) Serum	Rabbit	266
Y411	Anti Angiostatin (285-294) (Mouse) Serum	Rabbit	266
Y330	Anti Atrial Natriuretic Peptide (ANP) (Rat) Serum	Rabbit	264
Y251	Anti Basic-FGF (1-9) (Human) Serum	Rabbit	261
Y250	Anti Basic-FGF (Human) Serum	Rabbit	261
Y170	Anti Bombesin Serum	Guinea Pig	258
Y340	Anti Calcitonin Gene-Related Peptide (α-CGRP) (Rat) Serum	Rabbit	264
Y292	Anti Chromogranin A (343-360) (Rat) Serum	Rabbit	262
Y293	Anti Chromogranin A (344-374) (Human) Serum	Rabbit	262
Y290	Anti Chromogranin A (359-389) (Rat) Serum	Rabbit	262
Y291	Anti Chromogranin A (94-130) (Rat) Serum	Rabbit	262
Y221	Anti C-Peptide I (Rat) Serum	Rabbit	260
Y222	New Anti C-Peptide I (Mouse) Serum	Rabbit	260
Y220	Anti C-Peptide II (Rat) Serum	Rabbit	260
Y223	New Anti C-Peptide II (Mouse) Serum	Rabbit	261
Y210	Anti CRF (24-41) (Human, Rat) Serum	Rabbit	260
Y211	Anti CRF (3-41) (Human, Rat) Serum	Rabbit	260
Y230	Anti EGF (Human) Serum	Rabbit	261
Y231	Anti EGF (Rat) Serum	Rabbit	261
Y300	Anti α-Endorphin Serum	Rabbit	262
Y182	Anti Galanin (1-15) Serum	Rabbit	259
Y183	Anti Galanin (15-29) (Rat) Serum	Rabbit	259
Y186	New Anti Galanin (20-29) (Rat) Serum	Rabbit	259
Y184	Anti Galanin (9-30) (Human) Serum	Rabbit	259
Y180	Anti Galanin (Porcine) Serum	Rabbit	258
Y111	Anti Gastrin 17 (G17) (Dog) Serum	Rabbit	257
Y110	Anti Gastrin 34 (1-15) (Human) Serum	Rabbit	257
Y100	Anti GIP(1-30)-OH (Porcine) Serum	Rabbit	257
Y101	Anti GIP (Human) Serum	Rabbit	257
Y324	New Anti Glicentin (1-32) (Rat) Serum	Rabbit	264
Y320	Anti GLP-1 (7-36)-NH₂ (Human) Serum	Rabbit	263
Y321	Anti GLP-2 (14-33) (Rat) Serum	Rabbit	263
Y322	Anti GLP-2 (Rat) Serum	Rabbit	263
Y323	New Anti GLP-2 (Mouse) Serum	Rabbit	264

Antisera of Yanaihara Institute Inc. (continued)

Code	Product	Host (Animal)	Page
Y311	Anti Gonadotropin-Releasing Hormone-Associated Peptide (GAP) (34-56) (Human) Serum	Rabbit	263
Y312	Anti Gonadotropin-Releasing Hormone-Associated Peptide (GAP) (28-56) (Rat) Serum	Rabbit	263
Y390	Anti GRF/GH-RH (Rat) Serum	Rabbit	266
Y160	Anti GRP (Porcine) Serum	Rabbit	258
Y440	Anti Humanin Serum	Rabbit	267
Y370	Anti Insulin (Human) Serum	Guinea Pig	265
Y380	Anti Luminal Cholecystokinin-Releasing Factor (LCRF) (Rat) Serum	Rabbit	266
Y140	Anti Met-Enkephalin-Arg ⁶ -Gly ⁷ -Leu ⁸ Serum	Rabbit	258
Y120	Anti Motilin (Dog) Serum	Rabbit	257
Y121	Anti Motilin (Human, Porcine) Serum	Rabbit	257
Y400	Anti Na ⁺ Channel II (467-485) (Rat) Serum	Rabbit	266
Y130	Anti Neurotensin Serum	Rabbit	258
Y430	Anti Nociceptin/Orphanin FQ (Human, Rat) Serum	Rabbit	266
Y061	Anti NPY(1-19) (Human, Rat, Mouse) Serum	Rabbit	256
Y060	Anti NPY (Human, Rat, Mouse) Serum	Rabbit	256
Y450	New Anti Orexin A Serum	Rabbit	267
Y451	New Anti Orexin B (Mouse, Rat) Serum	Rabbit	267
Y042	Anti PACAP (1-15) (Human) Serum	Rabbit	255
Y051	Anti PACAP27 (13-27) (Human) Serum	Rabbit	256
Y050	Anti PACAP27 (Human) Serum	Rabbit	255
Y041	Anti PACAP38 (22-38) (Human) Serum	Rabbit	255
Y040	Anti PACAP38 (Human) Serum	Rabbit	255
Y090	Anti Pancreastatin (33-51) (Rat) Serum	Rabbit	257
Y080	Anti Pancreatic polypeptide (PP) (18-36) (Human) Serum	Rabbit	256
Y072	Anti Peptide YY (PYY) (Human) Serum	Rabbit	256
Y070	Anti Peptide YY (PYY) (Porcine, Rat) Serum	Rabbit	256
Y021	Anti PHI (13-27) (Human) Serum	Rabbit	254
Y020	Anti PHI (Human) Serum	Rabbit	254
Y022	Anti PHI (Rat) Serum	Rabbit	254
Y185	Anti Preprogalanin (89-124) (Rat) Serum	Rabbit	259
Y190	Anti Preprorenin (21-64) (Human) Serum	Rabbit	259
Y191	Anti Preprorenin (288-317) (Human) Serum	Rabbit	259
Y310	Anti Pro-LH-RH (1-26) (Human) Serum	Rabbit	263
Y421	Anti PTH (1-15) (Rat) Serum	Rabbit	266
Y420	Anti PTH (1-34)-NH ₂ (Rat) Serum	Rabbit	266
Y201	Anti PTHrP (1-34)-NH ₂ Serum	Rabbit	260
Y202	Anti PTHrP (15-34)-NH ₂ Serum	Rabbit	260
Y441	Anti Rattin-24 Serum	Rabbit	267
Y280	Anti Retinoblastoma (RB) Protein (901-928) (Human) Serum	Rabbit	262
Y030	Anti Secretin (Human) Serum	Rabbit	254

Antisera of Yanaihara Institute Inc. (continued)

Code	Product	Host (Animal)	Page
Y031	Anti Secretin (Porcine) Serum	Rabbit	254
Y032	Anti Secretin (Rat) Serum	Rabbit	255
Y150	Anti Substance P Serum	Rabbit	258
Y240	Anti TGF-α (Human) Serum	Rabbit	261
Y241	Anti TGF-β_1 (Human) Serum	Rabbit	261
Y360	Anti Urocortin (3-40) (Rat) Serum	Rabbit	264
Y361	Anti Urocortin (Rat) Serum	Rabbit	265
Y362 <small>(New)</small>	Anti Urocortin 1 (Mouse, Rat) Serum	Rabbit	265
Y363 <small>(New)</small>	Anti Urocortin 2 (Mouse) Serum	Rabbit	265
Y364 <small>(New)</small>	Anti Urocortin 3 (Mouse) Serum	Rabbit	265
Y010	Anti VIP (Human, Porcine) Serum	Rabbit	254
YA010	Anti Amyloid β Protein (1-40) (Human) Serum	Rabbit	267
YP060	Anti ATP Receptor P2X₄ (370-388) (Rat) Serum	Rabbit	270
YP030	Anti CCK-8 Serum	Rabbit	269
YP070	Anti G-Protein: Gα olf (23-38) (Human) Serum	Rabbit	270
YP071	Anti G-Protein: Gα i3 (105-127) (Human) Serum	Rabbit	270
YP010	Anti LH-RH Serum	Rabbit	269
YP050	Anti NO Synthase I (998-1024) (Human) Serum	Rabbit	269
YP051	Anti NO Synthase II (77-105) (Rat) Serum	Rabbit	270
YP080 <small>(New)</small>	Anti S100β(41-60) (Human, Mouse, Rat) Serum	Rabbit	270
YP081 <small>(New)</small>	Anti S100β(74-92) (Human, Mouse) Serum	Rabbit	270
YP020	Anti Somatostatin Serum	Rabbit	269
YP040	Anti Total Glucagon Serum	Rabbit	269
YC010	Anti IL-1α(Rat) Serum	Rabbit	267
YC011	Anti IL-1α (Rat) Serum	Goat	267
YC020	Anti IL-1β (Rat) Serum	Rabbit	268
YC021	Anti IL-1β (Rat) Serum	Goat	268
YC022	Anti IL-1β (Rat) Monoclonal Antibody		268
YC040	Anti Leptin (Rat) Serum	Rabbit	269
YC030	Anti TNF-α (Rat) Serum	Rabbit	268
YC031	Anti TNF-α (Rat) Serum	Goat	268
YC032	Anti TNF-α (Rat) Monoclonal Antibody		268

Code	Product	Assay Range	Price:Yen
YK010	C-Peptide (Rat)-EIA Kit	1.56 - 50 ng/ml	76,000
YK011	C-Peptide I (Mouse)-EIA Kit	0.617 - 50 ng/ml	76,000
YK012	C-Peptide II (Mouse)-EIA Kit	0.412 - 100 ng/ml	76,000
YK050	Leptin (Rat)-ELISA Kit	80 - 20,000 pg/ml	60,000
YK051	Leptin-HS (Rat)-ELISA Kit	78.1 - 2500 pg/ml	60,000
YK060	Insulin-ELISA Kit	0.137 - 100 ng/ml	50,000
YK070	Chromogranin A (Human)-EIA Kit	0.1 - 10 pmol/ml	76,000
YK080	Peptide YY (Human)-EIA Kit	10 - 10,000 pg/ml	76,000
YK081	Peptide YY (Rat)-EIA Kit	50 - 10,000 pg/ml	76,000
YK090	Glucagon (Human, Rat, Mouse)-EIA Kit	50 - 10,000 pg/ml	76,000
YK100	NO Synthase I (Human, Rat)-EIA Kit	0.98 - 1000 ng/ml	76,000
YK111	Glicentin (Rat)-EIA Kit	206 - 50,000 fmol/ml	76,000
YK130	CRF (Human, Rat)-ELISA Kit	0.313 - 20 ng/ml	76,000
YK140	GLP-2 (Rat)-EIA Kit	0.137 - 100 ng/ml	76,000
YK141	GLP-2 (Human)-EIA Kit	0.137 - 100 ng/ml	76,000
YK142	GLP-2 (Mouse)-EIA Kit	0.412 - 100 ng/ml	76,000
YK150	S-100 β (Human)-ELISA Kit	98 - 63,000 pg/ml	76,000
YK160	GLP-1 (Human, Rat, Mouse)-EIA Kit	206 - 50,000 pg/ml	76,000
YK190	Urocortin 2 (Mouse)-EIA Kit	0.82 - 200 ng/ml	76,000
YK200	Urocortin 3 (Mouse, Rat)-EIA Kit	0.41 - 100 ng/ml	76,000

Rat C-peptide EIA Kit (YK010)

C-ペプチドは、インスリンの前駆体であるプロインスリンのプロセッシングにより、インスリンとほぼ等モル比で血中に放出されます。従って、C-ペプチドの血中濃度は膵B細胞からのインスリン分泌をよく反映しているとされています。また、インスリン投与中においても、血中インスリン濃度に影響されることなくB細胞からのC-ペプチドの分泌を測定できますので、膵B細胞機能検査としては血中C-ペプチドの測定がインスリン測定よりむしろ優れているという利点があります。人では、既に糖尿病を対象とする臨床検査試薬としてC-ペプチドのRIA系は、インスリン測定とともに高い評価を受けています。

31アミノ酸残基からなるラットC-ペプチドには、I型とII型の2種類が存在しますが、それらは8位と17位のアミノ酸残基のみが置換されており、両者の18位からC-末端までのアミノ酸配列は一致しています。

こうした背景に基づき、矢内原研究所では、ラットC-ペプチドC-末端部を認識するポリクローナル抗体を用い、安定で高感度のラットC-ペプチド特異的EIA系を確立するに至りました。本EIA系はラット膵B細胞機能検査試薬として初めて市販されるものであります。

本EIA系では、標準抗原としてラットC-ペプチド-I、標識抗原としてピオチン化ラットC-ペプチド-Iを用い、ラットの血漿および尿中のC-ペプチドの測定に使用できます。添加回収試験(102.2-106.9%)、同時再現性及び日差再現性はそれぞれCV : 3.38-8.83及び5.56-8.41であり、共に満足すべき結果を得ています。

<文献>

- 1) B. Gonen *et al.*, In "*Proinsulin, Insulin, C-Peptide*" (Eds. S. Baba, T. Kaneko, and N. Yanaihara) Excerpta Medica, Amsterdam, pp 246 (1979).
- 2) H. Yasuda *et al.*, *Endocrinol. Jpn.*, **23**, 271 (1976).
- 3) J. Markussen and F. Sundby, *Eur. J. Biochem.*, **25**, 153 (1972).
- 4) H.S. Tager and D.F. Steiner, *J. Biol. Chem.*, **247**, 7936 (1972).
- 5) C. Yanaihara *et al.*, In "*Proinsulin, Insulin, C-Peptide*" (Eds. S. Baba, T. Kaneko, and N. Yanaihara) Excerpta Medica, Amsterdam, pp 87 (1979).

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
Y010	Anti VIP (Human, Porcine) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic VIP (Human, Porcine), carrier free For RIA: 1: 1,000-3,000 (final dilution ~1: 21,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: VIP (Human, Porcine) 100% VIP (1-15) (Human, Porcine) 0% Secretin (Porcine) 0% GLP-1 (7-37) 0% GIP (1-30) (Human) 0% PACAP27 (Human) 0% PACAP38 (Human) <0.001% GRF (Human) 0%			
Y020	Anti PHI (Human) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic PHI (Human), carrier free For RIA: 1: 1,000-5,000 (final dilution ~1: 35,000) For Immunohistochemistry: 1: 500-2,000 Specificity: PHI (Human) 100% PHI (Porcine) 0.14% PHI (13-27) (Human) 30% PHI (20-27) (Porcine) 0% Glucagon 0% Secretin (Porcine) 0% VIP (Porcine) 0% GRF (Human) 0%			
Y021	Anti PHI (13-27) (Human) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic PHI (13-27) (Human)- <i>Ascaris suilla</i> protein For RIA: 1: 2,000-10,000 (final dilution ~1: 70,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: PHI (Human) 100% PHI (Porcine) 0.08% PHI (1-15) (Human) 0% PHI (13-27) (Human) 100% PHI (1-15) (Porcine) 0% PHI (14-27) (Porcine) 0% PHI (20-27) (Porcine) 0% Glucagon 0% Secretin (Porcine) 0% VIP (Porcine) 0% GRF (Human) 0%			
Y022	Anti PHI (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic PHI (Rat), carrier free For RIA: 1: 2,000-5,000 (final dilution ~1: 35,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: PHI (Rat) 100% PHI (Human) 80% PHI (Porcine) 75% Secretin (Porcine) 0% VIP (Porcine) 0% PACAP38 (Human) 0%			
Y030	Anti Secretin (Human) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Secretin (Human), carrier free For RIA: 1: 500-2,000 (final dilution ~1: 14,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: Secretin (Human) 100% Secretin (Porcine) 92% Secretin (Chicken) <0.01% VIP (Porcine) <0.01%			
Y031	Anti Secretin (Porcine) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Secretin (Porcine), carrier free For RIA: 1: 2,000-13,500 (final dilution ~1: 54,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: Secretin (Porcine) 100% Secretin (4-27) (Porcine) 60% Secretin (14-27) (Porcine) 10% Secretin (18-27) (Porcine) <0.01% VIP (Porcine) 0% Gastrin (Human) 0% Glucagon 0%			

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
Y032 -20°C	Anti Secretin (Rat) Serum Immunogen: Synthetic Secretin (Rat), carrier free For RIA: 1: 2,000-8,000 (final dilution ~1: 56,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: Secretin (Rat) 100% Secretin (13-27) (Rat) 90% Secretin (19-27) (Rat) <0.1% Secretin (1-12) (Rat) 0% Prosecretin (1-41) (Rat) <0.1% Prosecretin (12-41) (Rat) <0.1% GIP(1-30)-NH ₂ (Porcine) 0% GLP-1 (7-36)-NH ₂ 0% Glucagon 0% PHI (Rat) 0% PACAP38 (Human) 0% VIP (Porcine) 0%	Rabbit	50 µl	35,000
Y040 -20°C	Anti PACAP38 (Human) Serum Immunogen: Synthetic PACAP38 (Human), carrier free For RIA: 1: 1,000-2,000 (final dilution ~1: 14,000) For Immunohistochemistry: 1: 200-1,000 Specificity: PACAP38 (Human) 100% PACAP27 (Human) 0% VIP (Porcine) 0% PHI (Rat) 0% PHI (Human) 0% Secretin (Human) 0% Helodermin 0% CCK-8 0% Met-enkephalin 0% Leu-enkephalin 0% Dynorphin 0% Oxytocin 0% Vasopressin 0%	Rabbit	50 µl	35,000
Y041 -20°C	Anti PACAP38 (22-38) (Human) Serum Immunogen: Synthetic PACAP (22-38) (Human)-Porcine Thyroglobulin For RIA: 1: 5,000-20,000 (final dilution ~1: 140,000) For Immunohistochemistry: 1: 500-4,000 Specificity: PACAP38(22-38) (Human) 100% PACAP38 (Human) 30% PACAP38 (5-38) (Human) 30% PACAP38 (10-38) (Human) 17.2% PACAP38 (16-38) (Human) 52% PACAP27 (Human) <0.1% Glucagon 0% VIP (Porcine) 0% PHI (Human) 0% Secretin (Human) 0%	Rabbit	50 µl	35,000
Y042 -20°C	Anti PACAP (1-15) (Human) Serum Immunogen: Synthetic PACAP (1-15) (Human)-Porcine Thyroglobulin For RIA: 1: 5,000-20,000 (final dilution ~1: 140,000) For Immunohistochemistry: 1: 500- 3,000 Specificity: PACAP (1-15) (Human) 100% PACAP27 (Human) 30% PACAP38 (Human) 6.7% VIP (Porcine) 0% PHI (Rat) 0% PHI (Human) 0% Secretin (Human) 0% Helodermin 0%	Rabbit	50 µl	35,000
Y050 -20°C	Anti PACAP27 (Human) Serum Immunogen: Synthetic PACAP27 (Human), carrier free For RIA: 1: 5,000-40,000 (final dilution ~1: 280,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: PACAP27 (Human) 100% PACAP38 (Human) 0% VIP (Porcine) 0% PHI (Rat) 0% PHI (Human) 0% Secretin (Human) 0% Helodermin 0%	Rabbit	50 µl	35,000

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
Y051 -20°C	<b style="color: #E91E63;">Anti PACAP27 (13-27) (Human) Serum Immunogen: Synthetic PACAP27 (13-27) (Human), carrier free For RIA: 1: 2,000-20,000 (final dilution ~1: 140,000) For Immunohistochemistry: 1: 1,000-6,000 Specificity: PACAP (13-27) (Human) 100% PACAP27 (Human) 149.9% PACAP (8-27) (Human) 112.9% PACAP (16-27) (Human) 54.9% PACAP (22-27) (Human) 3.3% PACAP38 (Human) <0.1% PACAP (1-15) (Human) 0% VIP (Porcine) 0% Glucagon 0% PHI (Human) 0% Secretin (Human) 0% PACAP38 (1-15) (Human) 0%	Rabbit	50 µl	35,000
Y060 -20°C	<b style="color: #E91E63;">Anti NPY (Human, Rat, Mouse) Serum Immunogen: Synthetic NPY (Human, Rat, Mouse), carrier free For RIA: 1: 2,000-5,000 (final dilution ~1: 35,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: NPY (Human, Rat, Mouse) 100% NPY (Porcine)..... 100% NPY (1-19) (Human, Rat, Mouse) ... 0% NPY (20-36) (Human, Rat, Mouse)... 25.6% NPY (26-36) (Human, Rat, Mouse) ... 0% PYY (Porcine) 100% PP (Human) 0% PP (Rat) 0%	Rabbit	50 µl	35,000
Y061 -20°C	<b style="color: #E91E63;">Anti NPY(1-19) (Human, Rat, Mouse) Serum Immunogen: Synthetic NPY (1-19) (Human, Rat, Mouse)-Bovine Serum Albumin For RIA: 1: 1,000 (final dilution ~1: 7,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: NPY (1-19) (Human, Rat, Mouse) ... 100% NPY (Human, Rat, Mouse) 10% NPY (4-19) (Human, Rat, Mouse) ... 100% PYY (Porcine) 0% PP (Human) 0%	Rabbit	50 µl	35,000
Y070 -20°C	<b style="color: #E91E63;">Anti Peptide YY (PYY) (Porcine, Rat) Serum Immunogen: Synthetic PYY (Porcine, Rat), carrier free For RIA: 1: 2,000 (final dilution ~1: 14,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: PYY (Porcine, Rat) 100% PYY (1-19) (Human) 0% PYY (13-36) (Human) 0.5% PYY (19-36) (Porcine, Rat) 0% NPY (Human) 0.7% NPY (1-19) (Human) 0% NPY (20-36) (Human) 0% PP (Human) 0%	Rabbit	50 µl	35,000
Y072 -20°C	<b style="color: #E91E63;">Anti Peptide YY (PYY) (Human) Serum Immunogen: Synthetic PYY (Human), carrier free For RIA: 1: 3,000-10,000 (final dilution ~1: 70,000) For Immunohistochemistry: 1: 1,000-9,000 Specificity: PYY (Human) 100% PYY (19-36) (Human) <0.001% PYY (1-19) (Human) <0.001% PYY (Rat) 80% PYY (13-36) (Rat) <0.1% PP (Human) <0.001% NPY (Human) <0.001%	Rabbit	50 µl	35,000
Y080 -20°C	<b style="color: #E91E63;">Anti Pancreatic polypeptide (PP) (18-36) (Human) Serum Immunogen: Synthetic PP(18-36) (Human)-Porcine Thyroglobulin For RIA: 1 : 1,000-8,000 (final dilution ~1: 56,000) For Immunohistochemistry: 1 : 1,000-4,000 Specificity: PP (18-36) (Human) 100% PP (Human)..... 100% NPY (Human) 0% PYY (Human) 0%	Rabbit	50 µl	35,000

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
Y090	Anti Pancreastatin (33-51) (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Pancreastatin (33-51) (Rat)-Porcine Thyroglobulin For RIA: 1: 10,000-200,000 (final dilution ~1: 1,400,000) For Immunohistochemistry: 1: 1000-4000 Specificity: Pancreastatin (33-51) (Rat)..... 100% Pancreastatin (Rat) 100% Chromogranin A (359-389) (Rat) 0%			
Y100	Anti GIP(1-30)-OH (Porcine) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic GIP (1-30)-OH (Porcine), carrier free For RIA: 1 : 2,000 (final dilution ~1: 14,000) For Immunohistochemistry: 1: 1,000-10,000 Specificity: GIP (1-30) (Porcine)..... 100% GIP (Porcine) 0.9% GIP (Human) 0% GIP (1-18) (Porcine) 0% Secretin (Porcine) 0% VIP (Porcine) 0% PHI (Porcine) 0% GLP-1 (7-37) 0%			
Y101	Anti GIP (Human) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic GIP (Human)-Porcine Thyrogloblin For RIA: 1: 3,200 (final dilution ~1: 16,000) For Immunohistochemistry: 1: 500-1,000 Specificity: GIP (Human) 100% GIP (15-30)-NH ₂ (Human) 25% GIP (1-13) (Human) 0% GIP (31-42) (Human) 0.9% GIP (1-30)-NH ₂ (Human) 110% GIP (1-30)-OH (Porcine) 1% GIP (Porcine) 1% VIP (Porcine) 0% PHI (Porcine) 0% GLP-1 (7-36) (Human) 0% GLP-1(7-36)-NH ₂ (Human) 0% Insulin (Human) 0% Glucagon 0% Secretin (Porcine) 0%			
Y110	Anti Gastrin 34 (1-15) (Human) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Gastrin 34 (1-15) (Human)-Bovine Serum Albumin For RIA: 1 : 5,000 (final dilution ~1: 45,000) For Immunohistochemistry: 1 : 500-2,000 Specificity: G34 (1-15) (Human) 100% G34 (Human) 43% G34 (1-5) (Human)..... 30% G34 (6-15) (Human)..... 0%			
Y111	Anti Gastrin 17 (G17) (Dog) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Gastrin 17 (G17) (Dog), carrier free For RIA: 1: 1,500 (final dilution ~1: 10,500) For Immunohistochemistry: 1: 500-2,000 Specificity: G17 (Dog) 100% G17 (Human) 40%			
Y120	Anti Motilin (Dog) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Motilin (Dog), carrier free For RIA: 1: 1,500 (final dilution ~1: 10,500) For Immunohistochemistry: 1: 500-3,000 Specificity: Motilin (Dog) 100% Motilin (Human, Porcine)..... 20.8%			
Y121	Anti Motilin (Human, Porcine) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Motilin(Human, Porcine) carrier free For RIA: 1 : 1000 (final dilutin ~ 1: 7000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: Motilin (Human, Porcine) 100% Motilin (Human, Porcine) (7-22) ... 69.2% Motilin (Human, Porcine) (12-22)..... 115% Motilin (Human, Porcine) (1-6) Me... 0.09% [15-Glutamine]-Motilin 96.7%			

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
Y130	Anti Neurotensin Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Neurotensin (Bovine, Rat)-Bovine Serum Albumin For RIA: 1: 1,500 (final dilution ~1: 10,500) For Immunohistochemistry: 1:1,000 Specificity: Neurotensin 100% Neurotensin (1-9) 21% Neurotensin (1-8) 16% Neurotensin (6-13)..... <0.01% Neurotensin (9-12)..... <0.01%			
Y140	Anti Met-Enkephalin-Arg⁶-Gly⁷-Leu⁸ Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Met-Enkephalin-Arg ⁶ -Gly ⁷ -Leu ⁸ - <i>Ascaris suilla</i> protein For RIA: 1: 8,000 (final dilution ~1: 56,000) For Immunohistochemistry: 1: 1,000-5,000 Specificity: Met-Enkephalin-Arg ⁶ -Gly ⁷ -Leu ⁸ 100% Phe ⁴ -Met ⁵ -Arg ⁶ -Gly ⁷ -Leu ⁸ <0.001% α-Endorphin 0% β-Endorphin 0% Met-Enkephalin 0% Leu-Enkephalin 0%			
Y150	Anti Substance P Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Substance P-Bovine Serum Albumin For RIA: 1: 8,500 (final dilution ~1: 60,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: Substance P 100% Substance P (6-10) 20% Substance P (4-10)..... 0.5% Neurokinin A 1.0%			
Y160	Anti GRP (Porcine) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic GRP (Porcine)-Bovine Serum Albumin For RIA: 1: 40,000 (final dilution ~1: 280,000) For Immunohistochemistry: 1: 1,000-12,000 Specificity: GRP (Porcine)..... 100% GRP (14-27) (Porcine) 261% GRP (1-13) (Porcine)..... 0% Bombesin 241% Substance P <0.001%			
Y170	Anti Bombesin Serum	Guinea Pig	50 µl	35,000
-20°C	Immunogen: Synthetic N ^α -Gly-[Gln ¹]-Bombesin-Bovine Serum Albumin For RIA: 1: 1,000 (final dilution ~1: 7,000) For Immunohistochemistry: 1: 200-1,000 Specificity: Bombesin 100% N ^α -Gly-[Gln ¹]-Bombesin 100% Des-14-Amide-Bombesin 25% Bombesin (4-14) 90% Bombesin (6-14) 90% Bombesin (8-14)..... 0% Ranatensin C 2.6% GRP (Porcine) <0.001% N ^α -Tyr-[Gln ¹]-Bombesin 100%			
Y180	Anti Galanin (Porcine) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Galanin (Porcine), carrier free For RIA: 1: 2,500 (final dilution ~1: 17,500) For Immunohistochemistry: 1: 500-2,000 Specificity: Galanin (Porcine) 100% Galanin (3-29) (Porcine) 100% Galanin (10-29) (Porcine) 100% Galanin (15-29) (Porcine) 100% GRP (Porcine) 0% Neurokinin A 0% Neurokinin B 0% Neuromedin B 0% Substance P 0% PP (Human) 0% Glucagon 0% VIP (Porcine) 0%			

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
Y182	Anti Galanin (1-15) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Galanin (1-15) (Rat)-Porcine Thyroglobulin For RIA: 1: 1,500 (final dilution ~1: 10,500) For Immunohistochemistry: 1: 500-2,000 Specificity: Galanin (1-15) 100% Galanin (Rat) 100% Galanin (Porcine) 100% Galanin (1-19) (Porcine) 100% Galanin (2-29) (Porcine) 53% Galanin (1-11) <0.01% PP (Human) 0% Gastrin (Human) 0% NPY (Human) 0% PYY (Porcine) 0%			
Y183	Anti Galanin (15-29) (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Galanin (15-29) (Rat)-Porcine Thyroglobulin For RIA: 1: 3,000 (final dilution ~1: 21,000) For Immunohistochemistry: 1: 200-2,000 Specificity: Galanin (Rat) 100% Galanin (15-29) (Rat) 100% Galanin (Human) 0%			
Y184	Anti Galanin (9-30) (Human) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Galanin (9-30) (Human)-Bovine Serum Albumin For RIA: 1: 3,000 (final dilution ~1: 21,000) For Immunohistochemistry: 1: 500-2000 Specificity: Galanin (Human) 100% Galanin (9-30) (Human) 66.4% Galanin (16-30) (Human) 0% Galanin (Rat) 6.8% Galanin (Porcine) 3.6% Substance P 0% Neurokinin A 0%			
Y185	Anti Preprogalanin (89-124) (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Preprogalanin(89-124) (Rat), carrier free For RIA: 1: 3,000 (final dilution ~1: 21,000) For Immunohistochemistry: 1: 500-2,000 Specificity: Preprogalanin (Rat) 100% Preprogalanin (Human) 80% Galanin (Rat) 0%			
Y186	Anti Galanin (20-29) (Rat) Serum	Rabbit	50 µl	35,000
-20°C	New Immunogen: Synthetic Galanin (20-29) (Rat)-KLH conjugate For Immunohistochemistry: 1:500-2,000 (frozen or paraffin sections) Specificity: Galanin (Rat) 100% Galanin (20-29) (Rat) 100% Galanin (Human) 0%			
Y190	Anti Preprorenin (21-64) (Human) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Preprorenin (21-64) (Human), carrier free For RIA: 1: 2,000 (final dilution ~1: 14,000) For Immunohistochemistry: 1: 200-1,000 Specificity: Pre-prorenin (21-64) (Human) 100% Other Renin Fragments 0% Recognizes human prorenin.			
Y191	Anti Preprorenin (288-317) (Human) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Preprorenin (288-317) (Human), carrier free For EIA: 1: 1,000 - 5,000 For Immunohistochemistry: 1: 1,000-4,000 (frozen section) Specificity: Preprorenin (288-317) (Human) ... 100% Preprorenin (21-64) (Human) ... <0.043% Preprorenin (337-360) (Human) 0%			

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
Y201	Anti PTHrP (1-34)-NH₂ Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic PTHrP (1-34)-NH ₂ (Human) , carrier free For RIA: 1: 1,000-3,000 (final dilution ~1: 21,000) For Immunohistochemistry: 1: 500-1,000 Specificity: PTHrP (1-34)-NH ₂ 100% PTHrP (15-34)-NH ₂ <0.05% PTHrP (1-19) 0% PTHrP (7-34)-NH ₂ 25%			
Y202	Anti PTHrP (15-34)-NH₂ Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic PTHrP (15-34)-NH ₂ (Human) , carrier free For RIA: 1: 1,000 (final dilution ~1: 7,000) For Immunohistochemistry: 1: 200-1,000 Specificity: PTHrP (15-34)-NH ₂ 100% PTHrP (1-34)-NH ₂ 70% PTHrP (1-19) 0% PTHrP (7-34)-NH ₂ 25%			
Y210	Anti CRF (24-41) (Human, Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic CRF (24-41) (Human, Rat), carrier free For RIA: 1: 5,000 (final dilution ~1: 35,000) For Immunohistochemistry: 1: 1,000-5,000 Specificity: CRF (24-41) (Human, Rat) 100% CRF (Human, Rat) ~100%			
Y211	Anti CRF (3-41) (Human, Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic CRF (3-41) (Human, Rat)-Porcine Thyroglobulin For RIA: 1: 1,000 (final dilution ~1: 7,000) For Immunohistochemistry: 1: 1,000-5,000 Specificity: CRF (Human, Rat)..... 100% CRF(3-41) (Human, Rat) 100% CRF (17-41) (Human, Rat) <0.1% Urocortin (Human) <0.01% Urocortin (Rat) <0.01% ACTH (Human) <0.01% ACTH (Rat) <0.01%			
Y220	Anti C-Peptide II (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic C-Peptide-II (Rat), carrier free For RIA: 1: 1,250 (final dilution ~1: 10,000) For Immunohistochemistry: 1: 1,000-10,000 Specificity: C-Peptide I (Rat) 100% C-Peptide II (Rat) 100% C-Peptide I (7-31) (Rat) 100% C-Peptide II (7-31) (Rat) 100% C-Peptide I (15-31) (Rat)..... 100% C-Peptide II (15-31) (Rat) 100% C-Peptide I (20-31) (Rat) 80% C-Peptide I (1-23) (Rat)..... <0.001% C-Peptide (Human) 0.01% C-Peptide II (1-23) (Rat) <0.001%			
Y221	Anti C-Peptide I (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic C-Peptide I (Rat)-Porcine Thyroglobulin For EIA: 1: 3,000 For RIA: 1: 1,500 (final dilution ~1: 10,500) For Immunohistochemistry: 1: 500-1,000 Specificity: C-Peptide I (Rat) 100% C-Peptide II (Rat) 52.9% C-Peptide I (Mouse) 28.8% C-Peptide II (Mouse) 2.95% C-Peptide (Human) 0%			
Y222	Anti C-Peptide I (Mouse) Serum	Rabbit	50 µl	35,000
-20°C	New Immunogen: Synthetic C-peptide I (Mouse)-KLH conjugate For Immunohistochemistry: 1:1,000-5,000 (frozen or paraffin sections) Specificity: C-peptide I (Mouse) 100% C-peptide II (Mouse) 15.2% C-peptide I (Rat) 20.9% C-peptide II (Rat) 85% C-peptide (Human) <0.01% C-peptide (Dog)..... <0.01% C-peptide (Porcine)..... <0.1% Glucagon <0.01%			

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
Y223	Anti C-Peptide II (Mouse) Serum	Rabbit	50 µl	35,000
(New)	Immunogen: Synthetic C-peptide II (Mouse)-KLH conjugate			
-20°C	For Immunohistochemistry: 1:2,000-10,000 (frozen or paraffin sections)			
	Specificity:			
	C-peptide II (Mouse) 100%	C-peptide I (Mouse) 5.2%		
	C-peptide I (Rat) 3.7%	C-peptide II (Rat) 72.3%		
	C-peptide (Human) <1.5%	C-peptide (Dog) <0.01%		
	C-peptide (Porcine) <0.01%	Glucagon <0.1%		
Y230	Anti EGF (Human) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Recombinant EGF (Human), carrier free			
	For RIA: 1: 5000- 12,000 (final dilution ~1: 84,000)			
	For Immunohistochemistry: 1: 1,000- 4,000			
	Specificity:			
	EGF (Human) 100%	EGF (Rat) 0.006%		
	EGF (Mouse) 0%	TGF-α (Human) 0%		
	IGF-1 (Human) 0%	Insulin (Porcine) 0%		
	Glucagon 0%	ACTH (Human) 0%		
	PHI (Human) 0%			
Y231	Anti EGF (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Recombinant EGF (Rat), carrier free			
	For RIA: 1: 5,000-20,000 (final dilution ~1: 140,000)			
	For Immunohistochemistry: 1: 1,000-4,000			
	Specificity:			
	EGF (Rat) 100%	EGF (Human) 0.1%		
	EGF (Mouse) 1.5%	TGF-α (Human) 0%		
	IGF-1 (Human) 0%	Insulin (Porcine) 0%		
	Glucagon 0%			
Y240	Anti TGF-α (Human) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Recombinant TGF-α (Human), carrier free			
	For RIA: 1: 680 (final dilution ~1: 5,440)			
	For EIA: 1: 2,300			
	For Immunohistochemistry: 1: 200-500			
	Specificity:			
	TGF-α (Human) 100%	EGF (Human) 0%		
	EGF (Rat) 0%			
Y241	Anti TGF-β₁ (Human) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Recombinant TGF-β ₁ (Human)-Bovine Serum Albumin			
	For RIA: 1: 5,000 (final dilution ~1: 35,000)			
	For Immunohistochemistry: 1: 200-1,000			
	Specificity:			
	TGF-β ₁ (Human) 100%	EGF (Human) 0%		
	EGF (Rat) 0%			
Y250	Anti Basic-FGF (Human) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Recombinant Basic FGF (Human)-Bovine Serum Albumin			
	For RIA: 1: 3,500 (final dilution ~1: 17,500)			
	For Immunohistochemistry: 1: 500-2,000 (frozen section)			
	Specificity:			
	Basic-FGF (Human) 100%	Basic-FGF (Bovine) 85%		
	TGF-α (Human) 0%	IL-1α (Human) 0%		
	IL-1β (Human) 0%	TGF-β ₁ (Human) 0%		
Y251	Anti Basic-FGF (1-9) (Human) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Basic FGF (1-9)-Tyr (Human)-Bovine Serum Albumin			
	For RIA: 1: 750 (final dilution ~1: 6,000)			
	For Immunohistochemistry: 1: 200-1,000 (frozen section)			
	Specificity: Recombinant Basic FGF (Human) 100%	Basic FGF(1-9)-Tyr (Human) 100%		

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
Y260 -20°C	Anti Acidic-FGF (1-15) (Bovine) Serum Immunogen: Synthetic Acidic-FGF (1-15) (Bovine)-Porcine Thyroglobulin For RIA: 1: 1,000 (final dilution ~1: 7,000) For Immunohistochemistry: 1: 200-1,000 (frozen section) Specificity: Acidic-FGF(1-15) (Bovine) 100% Recombinant Basic-FGF (Human) ... 0% This Antiserum recognizes Acidic-FGF (Bovine, Rat and Human).	Rabbit	50 µl	35,000
Y280 -20°C	Anti Retinoblastoma (RB) Protein (901-928) (Human) Serum Immunogen: Synthetic RB Protein (901-928) (Human)-Procine Thyroglobulin For RIA: 1: 1,500 (final dilution ~1: 10,500) For Immunohistochemistry: 1: 200-1,000 (frozen section) Specificity: RB-Protein (901-928) 100% This Antiserum recognizes 110kDa protein in rat liver extract by immunoblot analysis.	Rabbit	50 µl	35,000
Y290 -20°C	Anti Chromogranin A (359-389) (Rat) Serum Immunogen: Synthetic Chromogranin A (359-389) (Rat), carrier free For RIA: 1: 2000 (final dilution ~1: 14,000) For Immunohistochemistry: 1: 1,000 Specificity: CgA (359-389) (Rat) 100% Pancreastatin (Rat) 0%	Rabbit	50 µl	35,000
Y291 -20°C	Anti Chromogranin A (94-130) (Rat) Serum Immunogen: Synthetic Chromogranin A (94-130) (Rat), carrier free For RIA: 1 : 1,000 (final dilution ~1: 7,000) For Immunohistochemistry: 1 : 1,000 Specificity: CgA (94-130) (Rat) 100% Pancreastatin (Rat) 0% This Antiserum recognizes CgA (Rat) and β-granin.	Rabbit	50 µl	35,000
Y292 -20°C	Anti Chromogranin A (343-360) (Rat) Serum Immunogen: Synthetic Chromogranin A (343-360) (Rat), carrier free For RIA: 1: 1,000 (final dilution ~1: 7,000) For Immunohistochemistry: 1: 1,000 Specificity: CgA (343-360) (Rat) 100% Pancreastatin (Rat) 0% This Antiserum recognizes CgA(Rat) and β-granin.	Rabbit	50 µl	35,000
Y293 -20°C	Anti Chromogranin A (344-374) (Human) Serum Immunogen: Synthetic Chromogranin A (344-374) (Human), carrier free For RIA: 1: 500-1,200 (final dilution ~1: 3,500-8,400) For EIA: 1: 2,500 For Immunohistochemistry: 1: 1,000 Specificity: CgA (344-374) (Human) 100% CgA (359-389) (Rat) 33.5% CgA (375-389) (Rat) 0% CgA (360-374) (Human) 0%	Rabbit	50 µl	35,000
Y300 -20°C	Anti α-Endorphin Serum Immunogen: Synthetic α-Endorphin-Bovine Serum Albumin For RIA: 1: 2,000 (final dilution ~1: 14,000) For Immunohistochemistry: 1: 200-1,000 (frozen section) Specificity: α-Endorphin 100% β-Endorphin 7% γ-Endorphin 34% Met-Enkephalin 0% Leu-Enkephalin 0%	Rabbit	50 µl	35,000

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
Y323	Anti GLP-2 (Mouse) Serum	Rabbit	50 µl	35,000
New	Immunogen: Synthetic GLP-2 (Mouse)-KLH conjugate			
-20°C	For EIA: 1:10,000-60,000			
	For Immunohistochemistry: 1:1,000-5,000 (frozen or paraffin sections)			
	Specificity: GLP-2 (Mouse) 100% GLP-2 (Rat) 100%			
	GLP-2 (14-33) (Rat) 117.4% GLP-2 (Human) 44.7%			
	GLP-2 (1-18) (Rat) 0% GLP-1 (7-36)-NH ₂ 0%			
	Glucagon 0%			
Y324	Anti Glicentin (1-32) (Rat) Serum	Rabbit	50 µl	35,000
New	Immunogen: Synthetic Glicentin (1-32)-Cys (Rat)-KLH conjugate			
-20°C	For EIA: 1:5,000-25,000			
	For Immunohistochemistry: 1:1,000-5,000 (frozen or paraffin sections)			
	Specificity: Glicentin (1-32) (Rat) 100% Glicentin (Rat) 100%			
	Glicentin (Human) 0.2% GLP-1 <0.1%			
	GLP-2 (Rat) <0.1% Glucagon <0.1%			
Y330	Anti Atrial Natriuretic Peptide (ANP) (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic ANP (Rat), carrier free			
	For RIA: 1: 6,000 (final dilution ~1: 42,000)			
	For Immunohistochemistry: 1: 1,000-4,000			
	Specificity: ANP (Rat)..... 100% ANP (Human) 80%			
Y340	Anti Calcitonin Gene-Related Peptide (α-CGRP) (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic α-CGRP (Rat), carrier free			
	For RIA: 1: 2,000-6,000 (final dilution ~1: 42,000)			
	For Immunohistochemistry: 1: 1,000-5,000			
	Specificity: α-CGRP (Rat) 100%			
Y350	Anti ACTH (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic ACTH (Rat), carrier free			
	For Immunohistochemistry: 1: 1,000-4,000			
	Specificity: ACTH (Rat) 100% ACTH (Human) 80%			
Y351	Anti ACTH (21-39) (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic ACTH (21-39) (Rat)-Keyhole Limpet Hemocyanin			
	For RIA: 1: 1,000 (final dilution ~1: 7,000)			
	For Immunohistochemistry: 1: 1,000-4,000			
	Specificity: ACTH (21-39) (Rat) 100% ACTH (Rat) 100%			
Y352	Anti ACTH (1-23) (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic ACTH (Rat) (1-23)-Keyhole Limpet Hemocyanin			
	For RIA: 1: 1,500 (final dilution ~1: 10,500)			
	For Immunohistochemistry: 1: 200-1,000			
	Specificity: ACTH (1-23) (Rat)..... 100% ACTH (Rat) 100%			
Y360	Anti Urocortin (3-40) (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Urocortin (3-40) (Rat), carrier free			
	For RIA: 1: 1,500 (final dilution ~1: 10,500)			
	For Immunohistochemistry: 1: 1,000-5,000			
	Specificity: Urocortin (3-40) (Rat) 100% Urocortin (Rat) 164.7%			
	CRF (Human, Rat) 0% Urotensin I (Carp) <0.1%			
	Urocortin (Human) 100% Urocortin (30-40) (Rat) 100%			
	Urocortin (7-40) (Rat) 260% Urocortin (1-22) (Rat) <0.1%			

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
Y361	Anti Urocortin (Rat) Serum	Rabbit	50 µl	35,000
-20°C	Immuno gen: Synthetic Urocortin (Rat) - Porcine Thyroglobulin For RIA: 1: 2,000 (final dilution ~1: 16,000) For Immunohistochemistry: 1: 1,000-6,000 Specificity: Urocortin (Rat) 100% Urocortin (Human) ~100% Urocortin (1-22) (Rat) <0.5% Urocortin (23-40) (Rat) 45% CRF (Human, Rat) 0% Urotensin I (Carp) 2%			
Y362	Anti Urocortin 1 (Mouse, Rat) Serum	Rabbit	50 µl	35,000
-20°C	New Immuno gen: Synthetic Urocortin 1 (Mouse, Rat)-pTG conjugate For EIA: 1:8,000 For Immunohistochemistry: 1:5,000 Specificity: Urocortin 1 (Mouse, Rat) 100% Urocortin 1 (8-40) (Mouse, Rat) ... 100% Urocortin 1 (16-40) (Mouse, Rat) ... 84.67% Urocortin 1 (23-40) (Mouse, Rat) ... 96.82% Urocortin 1 (30-40) (Mouse, Rat) ... 16.47% Urocortin 1 (1-14) (Mouse, Rat) ... 0.14% Urocortin 1 (Human) 51.32% Urocortin 2 (Mouse) 0% Urocortin 2 (Rat) 0% Urocortin 3 (Mouse) 0% ACTH (Human) 0% ACTH (Mouse, Rat) 0% CRF (Human, Mouse, Rat) 0% CRF (17-41) (Human, Mouse, Rat) ... 0%			
Y363	Anti Urocortin 2 (Mouse) Serum	Rabbit	50 µl	35,000
-20°C	New Immuno gen: Synthetic Urocortin 2 (Mouse)-pTG conjugate For EIA: 1:8,000 For Immunohistochemistry: 1:5,000 Specificity: Urocortin 2 (Mouse) 100% Urocortin 2 (7-38) (Mouse) 80.52% Urocortin 2 (14-38) (Mouse) ... 24.23% Urocortin 2 (21-38) (Mouse) 0.21% Urocortin 2 (26-38) (Mouse) 0.41% Urocortin 2 (32-38) (Mouse) 0.19% Urocortin 2 (1-13) (Mouse) 0.12% Urocortin 1 (Mouse, Rat) 0% Urocortin 1 (Human) 0% Urocortin 2 (Rat) <1% Urocortin 3 (Mouse) 0% ACTH (Human) 0% ACTH (Mouse, Rat) 0.61% CRF (Human, Mouse, Rat) 0% CRF (17-41) (Human, Mouse, Rat) ... 0%			
Y364	Anti Urocortin 3 (Mouse) Serum	Rabbit	50 µl	35,000
-20°C	New Immuno gen: Synthetic Urocortin 3 (Mouse)-pTG conjugate For EIA: 1:8,000 For Immunohistochemistry: 1:5,000 Specificity: Urocortin 3 (Mouse) 100% Urocortin 3 (7-38) (Mouse) 78.72% Urocortin 3 (13-38) (Mouse) ... 80.79% Urocortin 3 (21-38) (Mouse) ... 57.89% Urocortin 3 (28-38) (Mouse) ... 47.58% Urocortin 3 (32-38) (Mouse) ... 72.26% Urocortin 3 (1-12) (Mouse) 0.15% Urocortin 1 (Mouse, Rat) 0% Urocortin 1 (Human) 0.04% Urocortin 2 (Mouse) 0% Urocortin 2 (Rat) 0% ACTH (Human) 0.03% ACTH (Mouse, Rat) 0.03% CRF (Human, Mouse, Rat) 0.01% CRF (17-41) (Human, Mouse, Rat) ... 0%			
Y370	Anti Insulin (Human) Serum	Guinea Pig	50 µl	35,000
-20°C	Immuno gen: Recombinant Insulin (Human), carrier free For RIA: 1: 1,000-3,000 (final dilution ~1: 21,000) For Immunohistochemistry: 1: 1,000- 5,000 Specificity: Insulin (Human)..... 100% Insulin (Porcine) 100% Insulin (Rabbit) 100% Insulin (Dog) 100% Insulin (Bovine) 18% Proinsulin (Human) 20%			

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
Y380 -20°C	Anti Luminal Cholecystokinin-Releasing Factor (LCRF) (Rat) Serum Immunogen: Synthetic LCRF (Rat)-Keyhole Limpet Hemocyanin For RIA: 1: 1,500 (final dilution ~1: 10,500) For Immunohistochemistry: 1: 500-2,000 Specificity: LCRF (Rat) 100% LCRF(19-41) 0.01% LCRF(1-21)..... 10%	Rabbit	50 µl	35,000
Y390 -20°C	Anti GRF/GH-RH (Rat) Serum Immunogen: Synthetic GRF/GH-RH (Rat), carrier free For RIA: 1: 1,000-3,000 (final dilution ~1: 21,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: GRF/GH-RH (Rat) 100% Not tested for other peptide hormones	Rabbit	50 µl	35,000
Y400 -20°C	Anti Na⁺ Channel II (467-485) (Rat) Serum Immunogen: Synthetic Na ⁺ Channel II (467-485) (Rat), carrier free For Immunohistochemistry: 1: 1,000-4,000 (frozen section) This antiserum recognizes sodium channel II, not tested for other types of ion channels.	Rabbit	50 µl	35,000
Y410 -20°C	Anti Angiostatin (128-141) (Mouse) Serum Immunogen: Synthetic Angiostatin (128-141) (Mouse)-Keyhole Limpet Hemocyanin For Immunohistochemistry: 1: 100-500 (frozen section) For Immunoblotting: 1: 50-500 for Western blotting. Specificity: Angiostatin (128-141) (Mouse)..... 100% By Western blotting, a 38-kDa band corresponding to mouse angiostatin was observed in serum of mice bearing s.c. tumors.	Rabbit	50 µl	35,000
Y411 -20°C	Anti Angiostatin (285-294) (Mouse) Serum Immunogen: Synthetic Angiostatin (285-294) (Mouse)-Keyhole Limpet Hemocyanin For Immunohistochemistry: 1: 100-500 (frozen section) Specificity: Angiostatin (285-294) (Mouse)..... 100%	Rabbit	50 µl	35,000
Y420 -20°C	Anti PTH (1-34)-NH₂ (Rat) Serum Immunogen: Synthetic PTH (1-34)-NH ₂ (Rat), Carrier free For RIA: 1: 3,000 (final dilution ~1: 21,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: PTH (1-34)-NH ₂ (Rat) 100% PTH (1-34)-NH ₂ (Human) 1% PTHrP (1-34)-NH ₂ (Human) 0%	Rabbit	50 µl	35,000
Y421 -20°C	Anti PTH (1-15) (Rat) Serum Immunogen: Synthetic PTH (1-15) (Rat)-Keyhole Limpet Hemocyanin For RIA: 1: 3,000 (final dilution ~1: 21,000) For Immunohistochemistry: 1: 1,000-4,000 Specificity: PTH (1-15) (Rat) 100% PTH (1-34)-NH ₂ (Rat)..... 10%	Rabbit	50 µl	35,000
Y430 -20°C	Anti Nociceptin/Orphanin FQ (Human, Rat) Serum Immunogen: Synthetic Nociceptin/Orphanin FQ (Human, Rat), carrier free For RIA: 1: 1,500 (final dilution ~1: 10,500) For Immunohistochemistry: 1: 500-1,000 (frozen section) Specificity: Nociceptin (Human, Rat) 100% Dynorphin A 0% β-Endorphin 0%	Rabbit	50 µl	35,000

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
Y440	Anti Humanin Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Humanin-Keyhole Limpet Hemocyanin For EIA: 1: 8,000 For Immunohistochemistry: 1: 5,000 Specificity: Humanin 100% Humanin (5-24) 35% Humanin (9-24) 1.9% Humanin (14-24) 0.18% Humanin (19-24) 0.18% Humanin (9-18) 0% Rattin-38 0% Rattin-24 0%			
Y441	Anti Rattin-24 Serum	Rabbit	50 µl	35,000
-20°C	Immunogen: Synthetic Rattin-24-Keyhole Limpet Hemocyanin For EIA: 1: 10,000 For Immunohistochemistry: 1: 20,000 Specificity: Rattin-24 100% Rattin-38 100% Humanin 3.8%			
Y450	Anti Orexin A Serum	Rabbit	50 µl	35,000
New	Immunogen: Synthetic Orexin A-pTG conjugate For EIA: 1:8,000 For Immunohistochemistry: 1:10,000 Specificity: Orexin A (Bovine, Dog, Human, Mouse, Porcine, Rat) 100% Orexin B (Mouse, Rat) 0%			
Y451	Anti Orexin B (Mouse, Rat) Serum	Rabbit	50 µl	35,000
New	Immunogen: Synthetic Orexin B (Mouse, Rat)-KLH conjugate For EIA: 1:8,000 For Immunohistochemistry: 1:6,000 Specificity: Orexin B (Mouse, Rat) 100% Orexin A (Bovine, Dog, Human, Mouse, Porcine, Rat) 0%			
YA010	Anti Amyloid β Protein (1-40) (Human) Serum	Rabbit	50 µl	40,000
-20°C	Immunogen: Synthetic Amyloid β Protein (1-40) (Human), carrier free For Immunohistochemistry: 1: 1,000 (frozen section) Specificity: Amyloid β Protein (Human) specific.			
YC010	Anti IL-1α (Rat) Serum	Rabbit	50 µl	60,000
-20°C	Immunogen: Recombinant IL-1α (Rat), carrier free For ELISA: 1: 10,000 For Western Blotting: 1: 1,000 Specificity: IL-1α (Rat) 100% IL-1α (Human) 24.8% IL-1β (Rat) <0.01% IL-1β (Human) <0.01% TNF-α (Rat) <0.01% TNF-α (Human) <0.01% Other Cytokines <0.01%			
YC011	Anti IL-1α (Rat) Serum	Goat	50 µl	60,000
-20°C	Immunogen: Recombinant IL-1α (Rat), carrier free For ELISA: 1: 1,000 For Western Blotting: 1: 1,000 Specificity: IL-1α (Rat) 100% IL-1α (Human) 5.9% IL-1β (Rat) <0.5% IL-1β (Human) <0.5% TNF-α (Rat) <0.5% TNF-α (Human) <0.5% Other Cytokines <0.5%			

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen															
YC020	Anti IL-1β (Rat) Serum	Rabbit	50 μ l	60,000															
-20 $^{\circ}$ C	Immunogen: Recombinant IL-1 β (Rat), carrier free For ELISA: 1: 1,000 For Western Blotting: 1: 1,000 Specificity: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">IL-1β (Rat)</td> <td style="width: 25%;">100%</td> <td style="width: 25%;">IL-1β (Human)</td> <td style="width: 25%;">6.8%</td> </tr> <tr> <td>IL-1α (Rat)</td> <td><0.1%</td> <td>IL-1α (Human)</td> <td><0.1%</td> </tr> <tr> <td>TNF-α (Rat)</td> <td><0.1%</td> <td>TNF-α (Human)</td> <td><0.1%</td> </tr> <tr> <td>Other Cytokines</td> <td><0.1%</td> <td></td> <td></td> </tr> </table>	IL-1 β (Rat)	100%	IL-1 β (Human)	6.8%	IL-1 α (Rat)	<0.1%	IL-1 α (Human)	<0.1%	TNF- α (Rat)	<0.1%	TNF- α (Human)	<0.1%	Other Cytokines	<0.1%				
IL-1 β (Rat)	100%	IL-1 β (Human)	6.8%																
IL-1 α (Rat)	<0.1%	IL-1 α (Human)	<0.1%																
TNF- α (Rat)	<0.1%	TNF- α (Human)	<0.1%																
Other Cytokines	<0.1%																		
YC021	Anti IL-1β (Rat) Serum	Goat	50 μ l	60,000															
-20 $^{\circ}$ C	Immunogen: Recombinant IL-1 β (Rat), carrier free For ELISA: 1: 1,000 For Western Blotting: 1: 1,000 Specificity: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">IL-1β (Rat)</td> <td style="width: 25%;">100%</td> <td style="width: 25%;">IL-1β (Human)</td> <td style="width: 25%;">19.2%</td> </tr> <tr> <td>IL-1α (Rat)</td> <td><0.01%</td> <td>IL-1α (Human)</td> <td><0.01%</td> </tr> <tr> <td>TNF-α (Rat)</td> <td><0.01%</td> <td>TNF-α (Human)</td> <td><0.01%</td> </tr> <tr> <td>Other Cytokines</td> <td><0.01%</td> <td></td> <td></td> </tr> </table>	IL-1 β (Rat)	100%	IL-1 β (Human)	19.2%	IL-1 α (Rat)	<0.01%	IL-1 α (Human)	<0.01%	TNF- α (Rat)	<0.01%	TNF- α (Human)	<0.01%	Other Cytokines	<0.01%				
IL-1 β (Rat)	100%	IL-1 β (Human)	19.2%																
IL-1 α (Rat)	<0.01%	IL-1 α (Human)	<0.01%																
TNF- α (Rat)	<0.01%	TNF- α (Human)	<0.01%																
Other Cytokines	<0.01%																		
YC022	Anti IL-1β (Rat) Monoclonal Antibody		50 μ l	60,000															
-20 $^{\circ}$ C	Immunogen: Recombinant IL-1 β (Rat), carrier free Type: IgG For ELISA: 1: 20,000 For Western Blotting: 1: 1,000 Specificity: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">IL-1β (Rat)</td> <td style="width: 25%;">100%</td> <td style="width: 25%;">IL-1β (Human)</td> <td style="width: 25%;"><0.28%</td> </tr> <tr> <td>IL-1α (Rat)</td> <td><0.01%</td> <td>IL-1α (Human)</td> <td><0.01%</td> </tr> <tr> <td>TNF-α (Rat)</td> <td><0.01%</td> <td>TNF-α (Human)</td> <td><0.01%</td> </tr> <tr> <td>Other Cytokines</td> <td><0.01%</td> <td></td> <td></td> </tr> </table>	IL-1 β (Rat)	100%	IL-1 β (Human)	<0.28%	IL-1 α (Rat)	<0.01%	IL-1 α (Human)	<0.01%	TNF- α (Rat)	<0.01%	TNF- α (Human)	<0.01%	Other Cytokines	<0.01%				
IL-1 β (Rat)	100%	IL-1 β (Human)	<0.28%																
IL-1 α (Rat)	<0.01%	IL-1 α (Human)	<0.01%																
TNF- α (Rat)	<0.01%	TNF- α (Human)	<0.01%																
Other Cytokines	<0.01%																		
YC030	Anti TNF-α (Rat) Serum	Rabbit	50 μ l	60,000															
-20 $^{\circ}$ C	Immunogen: Recombinant TNF- α (Rat), carrier free For ELISA: 1: 10,000 For Western Blotting: 1: 1,000 Specificity: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">TNF-α (Rat)</td> <td style="width: 25%;">100%</td> <td style="width: 25%;">TNF-α (Human)</td> <td style="width: 25%;">26.2%</td> </tr> <tr> <td>IL-1α (Rat)</td> <td><0.01%</td> <td>IL-1α (Human)</td> <td><0.01%</td> </tr> <tr> <td>IL-1β (Rat)</td> <td><0.01%</td> <td>IL-1β (Human)</td> <td><0.01%</td> </tr> <tr> <td>Other Cytokines</td> <td><0.01%</td> <td></td> <td></td> </tr> </table>	TNF- α (Rat)	100%	TNF- α (Human)	26.2%	IL-1 α (Rat)	<0.01%	IL-1 α (Human)	<0.01%	IL-1 β (Rat)	<0.01%	IL-1 β (Human)	<0.01%	Other Cytokines	<0.01%				
TNF- α (Rat)	100%	TNF- α (Human)	26.2%																
IL-1 α (Rat)	<0.01%	IL-1 α (Human)	<0.01%																
IL-1 β (Rat)	<0.01%	IL-1 β (Human)	<0.01%																
Other Cytokines	<0.01%																		
YC031	Anti TNF-α (Rat) Serum	Goat	50 μ l	60,000															
-20 $^{\circ}$ C	Immunogen: Recombinant TNF- α (Rat), carrier free For ELISA: 1: 1,000 For Western Blotting: 1: 1,000 Specificity: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">TNF-α (Rat)</td> <td style="width: 25%;">100%</td> <td style="width: 25%;">TNF-α (Human)</td> <td style="width: 25%;">35.7%</td> </tr> <tr> <td>IL-1α (Rat)</td> <td><0.01%</td> <td>IL-1α (Human)</td> <td><0.01%</td> </tr> <tr> <td>IL-1β (Rat)</td> <td><0.01%</td> <td>IL-1β (Human)</td> <td><0.01%</td> </tr> <tr> <td>Other Cytokines</td> <td><0.01%</td> <td></td> <td></td> </tr> </table>	TNF- α (Rat)	100%	TNF- α (Human)	35.7%	IL-1 α (Rat)	<0.01%	IL-1 α (Human)	<0.01%	IL-1 β (Rat)	<0.01%	IL-1 β (Human)	<0.01%	Other Cytokines	<0.01%				
TNF- α (Rat)	100%	TNF- α (Human)	35.7%																
IL-1 α (Rat)	<0.01%	IL-1 α (Human)	<0.01%																
IL-1 β (Rat)	<0.01%	IL-1 β (Human)	<0.01%																
Other Cytokines	<0.01%																		
YC032	Anti TNF-α (Rat) Monoclonal Antibody		50 μ l	60,000															
-20 $^{\circ}$ C	Immunogen: Recombinant TNF- α (Rat), carrier free Type: IgG For ELISA: 1: 1,000 For Western Blotting: 1: 1,000 Specificity: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">TNF-α (Rat)</td> <td style="width: 25%;">100%</td> <td style="width: 25%;">TNF-α (Human)</td> <td style="width: 25%;"><0.05%</td> </tr> <tr> <td>IL-1α (Human)</td> <td><0.05%</td> <td>IL-1α (Rat)</td> <td><0.05%</td> </tr> <tr> <td>IL-1β (Human)</td> <td><0.05%</td> <td>IL-1β (Rat)</td> <td><0.05%</td> </tr> <tr> <td>Other Cytokines</td> <td><0.05%</td> <td></td> <td></td> </tr> </table>	TNF- α (Rat)	100%	TNF- α (Human)	<0.05%	IL-1 α (Human)	<0.05%	IL-1 α (Rat)	<0.05%	IL-1 β (Human)	<0.05%	IL-1 β (Rat)	<0.05%	Other Cytokines	<0.05%				
TNF- α (Rat)	100%	TNF- α (Human)	<0.05%																
IL-1 α (Human)	<0.05%	IL-1 α (Rat)	<0.05%																
IL-1 β (Human)	<0.05%	IL-1 β (Rat)	<0.05%																
Other Cytokines	<0.05%																		

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
YC040	Anti Leptin (Rat) Serum Immunogen: Recombinant Leptin (Rat), carrier free For RIA: 1: 3,000 (final dilution ~1: 21,000) For Immunohistochemistry: 1: 4,000 Specificity: Leptin (Rat) 100% Leptin (Human) 10%	Rabbit	50 µl	60,000
	-20°C			
YP010	Anti LH-RH Serum Immunogen: Synthetic [Glu ¹]-LH-RH-Human Serum Albumin For RIA: 1: 2,000-10,000 (final dilution ~1: 60,000) For Immunohistochemistry: 1: 500-4,000 (frozen section) Specificity: LH-RH 100% LH-RH(4-10) 100% LH-RH-OH 0.001% LH-RH(2-8) <0.001% Angiotensin-I 0% Neurotensin 0% Oxytocin 0% Substance P 0% Somatostatin 0% TRH 0% Vasopressin 0%	Rabbit	50 µl	40,000
	-20°C			
YP020	Anti Somatostatin Serum Immunogen: Synthetic Somatostatin-14-Ascaris suilla protein For RIA: 1: 2,000-10,000 (final dilution ~1: 60,000) For Immunohistochemistry: 1: 500-4,000 (frozen section) Specificity: Somatostatin-14 100% [Arg ¹]-Somatostatin-14 20% [Ser ³ , Ser ¹⁴]-Somatostatin-14 ... <0.001%	Rabbit	50 µl	40,000
	-20°C			
YP030	Anti CCK-8 Serum Immunogen: Synthetic CCK-8-Keyhole Limpet Hemocyanin For RIA: 1 : 625 (final dilution ~1: 5,000) For Immunohistochemistry: 1: 200-1,000 Specificity: CCK-8 100% CCK-33 100% CCK-39 84.6% CCK-8 (Nonsulfated) <0.01% CCK-4 <0.01% G-17-1 <0.01% Caerulein <0.01%	Rabbit	50 µl	40,000
	-20°C			
YP040	Anti Total Glucagon Serum Immunogen: Synthetic des-Asn ²⁸ Thr ²⁹ [Hse ²⁷]-Glucagon (CNBr-Glucagon)-Bovine Serum Albumin For RIA: 1 : 2,000-10,000 (final dilution ~1: 80,000) For Immunohistochemistry: 1: 1,000-5,000 (frozen section) Specificity: Pancreatic Glucagon 100% Glicentin (Porcine) 100% Glucagon (1-12) <0.001% VIP (Porcine) 0% Secretin (Porcine) 0% Glucagon (13-17) <0.001% Glucagon (19-29) 0%	Rabbit	50 µl	40,000
	-20°C			
YP050	Anti NO Synthase I (998-1024) (Human) Serum Immunogen: Synthetic NO Synthase I (998-1024) (Human), carrier free For RIA: 1: 2,000 (final dilution ~1: 14,000) For EIA: 1: 9,000 For Immunoblotting: 1: 2,000 For Immunohistochemistry: 1: 1,000-4,000 (frozen section) Specificity: NO Synthase I (998-1024) (Human) ... 100% NO Synthase II (Human) 0% NO Synthase III (Rat) 0%	Rabbit	50 µl	40,000
	-20°C			

Antisera of Yanaihara Institute Inc. (continued)

Code	Product / Description	Host (Animal)	Quantity	Price:Yen
YP051	Anti NO Synthase II (77-105) (Rat) Serum	Rabbit	50 µl	40,000
-20°C	Immunogen: Synthetic NO Synthase II (77-105) (Rat), carrier free For Immunohistochemistry: 1: 1,000 (frozen section) Specificity: NO Synthase II (Rat) 100% NO Synthase II (Mouse) 70% NO Synthase I (Rat) 0% NO Synthase III (Rat) 0%			
YP060	Anti ATP Receptor P2X₄ (370-388) (Rat) Serum	Rabbit	50 µl	40,000
-20°C	Immunogen: Synthetic ATP Receptor P2X ₄ (370-388) (Rat), carrier free For Immunohistochemistry: 1: 5,000 (frozen section) Specificity: ATP Receptor P2X ₄ (rat), not tested for other P2X subtypes			
YP070	Anti G-Protein: Gα o1f (23-38) (Human) Serum	Rabbit	50 µl	40,000
-20°C	Immunogen: Synthetic G-Protein: Gα o1f (23-38) (Human) , carrier free Immunoblotting: 1: 1,000 Specificity: (Based on Western blotting) : Gα o1f specific			
YP071	Anti G-Protein: Gα i3 (105-127) (Human) Serum	Rabbit	50 µl	40,000
-20°C	Immunogen: Synthetic G-Protein: Gα i3 (105-127) (Human), carrier free Immunoblotting: 1: 1,000 Specificity: (Based on Western blotting) : Gα i3 specific			
YP080	Anti S100β (41-60) (Human, Mouse, Rat) Serum	Rabbit	50 µl	40,000
New	Immunogen: Synthetic S100β (41-60) (Human, Mouse, Rat)-KLH conjugate For Immunohistochemistry: 1:1,000-10,000 Specificity: S100β (41-60) (Human, Mouse, Rat) ... 100% S100β (Bovine) 100% S100β (16-36) (Human, Mouse, Rat) ... 0% S100β (74-92) (Human, Mouse) ... <0.1%			
-20°C				
YP081	Anti S100β (74-92) (Human, Mouse) Serum	Rabbit	50 µl	40,000
New	Immunogen: Synthetic S100β (74-92) (Human, Mouse)-KLH conjugate For Immunohistochemistry: 1:1,000-10,000 Specificity: S100β (74-92) (Human, Mouse) ... 100% S100β (Bovine) 100% S100β (16-36) (Human, Mouse, Rat) 0% S100β (41-60) (Human, Mouse, Rat) 0%			
-20°C				