

Peptide Antisera of Peptide Institute, Inc.

Peptide Antisera of Peptide Institute, Inc. 260

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Peptide Antisera of Peptide Institute, Inc.

Our undiluted antisera are suitable for immunohistochemical use, for application to RIA or other non-isotopic immunoassay purposes. These antisera are partially characterized by either of the following two methods:

1) EIA (see the instruction model 1 on page XI (XXIII)) or 2) ELISA (see the instruction model 2 on page XII (XXIV)). They are not controlled to rigorous specifications of prediluted antisera, which are adjusted to optimum concentrations for RIA or other immunoassays.

Peptide Antisera

Code	Product / Description	Price:Yen												
14278-v	Adrenomedullin (Human) Antiserum (Rabbit)	Vial 50 µl 32,000												
-20°C	<p>Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0)</p> <p>Immunogen: Adrenomedullin (Human, 1-52) (Carrier-free)</p> <p>Reactivity:</p> <table border="0"> <tr><td>Adrenomedullin (Human, 1-52)</td><td>+</td></tr> <tr><td>Adrenomedullin (Rat, 1-50)</td><td>+</td></tr> <tr><td>Adrenomedullin (Human, 1-25)</td><td>-</td></tr> <tr><td>Adrenomedullin (Human, 22-52)</td><td>+</td></tr> <tr><td>Adrenomedullin 2 / Intermedin (Human)</td><td>-</td></tr> <tr><td>Adrenomedullin 2 / Intermedin (Rat)</td><td>-</td></tr> </table>	Adrenomedullin (Human, 1-52)	+	Adrenomedullin (Rat, 1-50)	+	Adrenomedullin (Human, 1-25)	-	Adrenomedullin (Human, 22-52)	+	Adrenomedullin 2 / Intermedin (Human)	-	Adrenomedullin 2 / Intermedin (Rat)	-	
Adrenomedullin (Human, 1-52)	+													
Adrenomedullin (Rat, 1-50)	+													
Adrenomedullin (Human, 1-25)	-													
Adrenomedullin (Human, 22-52)	+													
Adrenomedullin 2 / Intermedin (Human)	-													
Adrenomedullin 2 / Intermedin (Rat)	-													

Adrenomedullin (Human) Antiserum Dilution Curve

- 1) K. Hata, Y. Takebayashi, S. Akiba, R. Fujiwaki, K. Iida, K. Nakayama, S. Nakayama, M. Fukumoto, and K. Miyazaki, *Mol. Hum. Reprod.*, **6**, 867 (2000). (*Immunohistochem.*)
 - 2) Y. Fujita, H. Mimata, N. Nasu, T. Nomura, Y. Nomura, and M. Nakagawa, *Int. J. Urol.*, **9**, 285 (2002). (*Immunohistochem.*)
 - 3) P. Rocchi, F., A.J. Zamora, X. Muracciole, E. Lechevallier, P.M. Martin, and L. Quafik, *Cancer Res.*, **61**, 1196 (2001). (*RIA & Immunohistochem.*)
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14438-v	Adrenomedullin 2 / Intermedin (Human, 1-7) Antiserum (Rabbit)	Vial 50 µl 32,000								
-20°C	<p>Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0)</p> <p>Immunogen: Adrenomedullin 2 (Human, 1-7)-TG (TG: Bovine Thyroglobulin)</p> <p>Reactivity:</p> <table border="0"> <tr><td>Adrenomedullin 2 / Intermedin (Human)</td><td>+</td></tr> <tr><td>Adrenomedullin 2 / Intermedin (Rat)</td><td>-</td></tr> <tr><td>Adrenomedullin (Human) Calcitonin</td><td>-</td></tr> <tr><td>(Human) CGRP (Human)</td><td>-</td></tr> </table>	Adrenomedullin 2 / Intermedin (Human)	+	Adrenomedullin 2 / Intermedin (Rat)	-	Adrenomedullin (Human) Calcitonin	-	(Human) CGRP (Human)	-	
Adrenomedullin 2 / Intermedin (Human)	+									
Adrenomedullin 2 / Intermedin (Rat)	-									
Adrenomedullin (Human) Calcitonin	-									
(Human) CGRP (Human)	-									

Adrenomedullin 2 (Human, 1-7) Antiserum Dilution Curve

- 1) K. Takahashi, K. Kikuchi, Y. Maruyama, T. Urabe, K. Nakajima, H. Sasano, Y. Imai, O. Murakami, and K. Totsune, *Peptides*, **27**, 1383 (2006).

Peptide Antisera (continued)

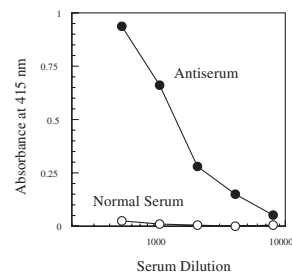
Code	Product / Description	Price:Yen
14220-v -20°C	Amylin (Rat) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Amylin (Rat)-BSA (BSA: Bovine Serum Albumin) Specificity: Amylin (Rat) 100% Amylin (Human) 60% CGRP (Human) 0% CGRP (Rat) 0% Calcitonin (Human) 0% Sensitivity*: IC ₅₀ 0.80 pmol/ml (Antiserum Dilution: x 20,000)	Vial 50 µl 32,000

***** Antisera of Amyloid β-Protein Related Peptides *****

14307-v -20°C	Amyloid β-Protein (Human, 1-40) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Amyloid β-Protein (Human, 1-40) (Carrier-free) Specificity: Amyloid β-Protein (Human, 1-40) 100% Amyloid β-Protein (Human, 1-25) 100% Amyloid β-Protein (Human, 26-40) 0% Amyloid β-Protein (Human, 17-25) 0% Amyloid β-Protein (Human, 24-35) 0% Sensitivity*: IC ₅₀ 0.60 pmol/ml (Antiserum Dilution: x 20,000)	Vial 50 µl 25,000
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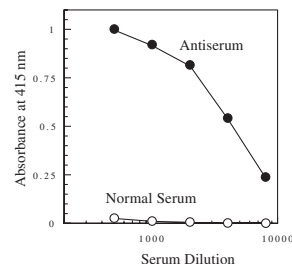
No cross-reactions against the following peptides were observed at much higher doses (20-200 nmol/ml). CRF (Human), BNP-32 (Human), Endothelin-1 (Human), Secretin (Human), and Substance P

14359-v -20°C	Amyloid β-Protein (Human, 1-16) Antiserum Amyloid β-Protein N-Terminal Specific Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Amyloid β-Protein (Human, 1-16)-KLH (KLH: Keyhole Limpet Hemocyanin) Reactivity: Amyloid β-Protein (Human, 1-16) + Amyloid β-Protein (Human, 1-40) + Amyloid β-Protein (Human, 1-42) + Amyloid β-Protein (Human, 1-43) +	Vial 50 µl 25,000
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Amyloid β-Protein (Human, 1-16) Antiserum Dilution Curve

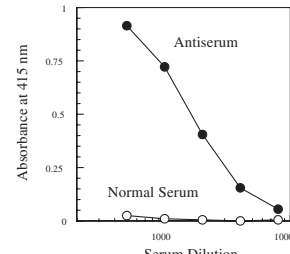
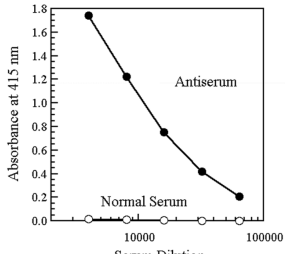
14356-v -20°C	Amyloid β-Protein (Human, 34-40) Antiserum Amyloid β-Protein (1-40) Specific Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Amyloid β-Protein (Human, 34-40)-KLH (KLH: Keyhole Limpet Hemocyanin) Reactivity: Amyloid β-Protein (Human, 1-40) + Amyloid β-Protein (Human, 1-42) - Amyloid β-Protein (Human, 1-16) - Amyloid β-Protein (Human, 1-43) -	Vial 50 µl 25,000
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Amyloid β-Protein (Human, 34-40) Antiserum Dilution Curve

* All sensitivity data are measured by enzyme immunoassay using β-D-galactosidase as a label.

Peptide Antisera (continued)

Code	Product / Description	Price:Yen
14357-v -20°C	<p>Amyloid β-Protein (Human, 37-42) Antiserum Amyloid β-Protein (1-42) Specific Antiserum (Rabbit)</p> <p>Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0)</p> <p>Immunogen: Amyloid β-Protein (Human, 37-42)-KLH (KLH: Keyhole Limpet Hemocyanin)</p> <p>Reactivity: Amyloid β-Protein (Human, 1-42) + Amyloid β-Protein (Human, 1-40) - Amyloid β-Protein (Human, 1-16) -</p>	Vial 50 μ l 25,000 
Amyloid β -Protein (Human, 37-42) Antiserum Dilution Curve		
14414-v -20°C	<p>Amyloid β-Protein (Human, 37-43) Antiserum Amyloid β-Protein (1-43) Specific Antiserum (Rabbit)</p> <p>Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0)</p> <p>Immunogen: Amyloid β-Protein (Human, 37-43)-KLH (KLH: Keyhole Limpet Hemocyanin)</p> <p>Reactivity: Amyloid β-Protein (Human, 1-43) + Amyloid β-Protein (Human, 1-42) - Amyloid β-Protein (Human, 1-40) - Amyloid β-Protein (Human, 1-16) -</p>	Vial 50 μ l 25,000 
Amyloid β -protein (Human, 37-43) Antiserum Dilution Curve		
14135-v -20°C	<p>ANP (Human, 1-28) Antiserum A-type(Atrial) Natriuretic Peptide (Human, 1-28) Antiserum (Rabbit)</p> <p>Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0)</p> <p>Immunogen: ANP (Human, 1-28)-TG (TG: Bovine Thyroglobulin)</p> <p>Specificity: ANP (Human, 1-28) 100% ANP (Human, 7-28) 100% [Met(O)¹²]-ANP (Human, 1-28) 150% ANP (Rat, 1-28) 55% β-ANP (Human, 1-28 Dimer) 100% BNP-26 (Porcine) 0%</p> <p>Sensitivity*: IC₅₀ 0.28 pmol/ml (Antiserum Dilution: x 20,000)</p> <p>No cross-reactions against the following peptides were observed at much higher doses (10-100 nmol/ml). Oxytocin, [Arg⁸]-Vasopressin, Somatostatin, [Met⁵]-Enkephalin, and β-Endorphin (Human)</p> <p>1) Y. Kasuya, T. Hirohama, and H. Uemura, <i>Acta Histochem. Cytochem.</i>, 25, 363 (1992). (<i>Immunohistochem.</i>)</p>	Vial 50 μ l 32,000

* All sensitivity data are measured by enzyme immunoassay using β -D-galactosidase as a label.

Peptide Antisera (continued)

Code	Product / Description			Price:Yen
14200-v -20°C	BNP-26 (Porcine) Antiserum B-type(Brain) Natriuretic Peptide (Porcine, 1-26) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: BNP-26 (Porcine)-TG (TG: Bovine Thyroglobulin) Specificity: BNP-26 (Porcine) 100% BNP (Porcine, 20-26) <0.1% ANP (Human, 1-28) <0.1% ANP (Rat, 1-28) <0.1% Sensitivity*: IC ₅₀ 5.5 pmol/ml (Antiserum Dilution: x 20,000)	Vial	50 µl	32,000
1) Y. Kasuya, T. Hirohama, and H. Uemura, <i>Acta Histochem. Cytochem.</i> , 25 , 363 (1992). (<i>Immunohistochem.</i>)				
14051-v -20°C	Calcitonin (Human) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Calcitonin (Human)-TG (TG: Bovine Thyroglobulin) Specificity: Calcitonin (Human) 100% Calcitonin (Human, 11-32) 100% Calcitonin (Rat) 100% Calcitonin (Salmon) 0% Sensitivity*: IC ₅₀ 3.0 pmol/ml (Antiserum Dilution: x 100,000)	Vial	50 µl	32,000
No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). CGRP (Human), Secretin (Human), Somatostatin, β-Endorphin (Human), and NPY (Porcine)				
14176-v -20°C	CCK-33 (Porcine) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: CCK-33 (Porcine)-TG (TG: Bovine Thyroglobulin) Specificity: CCK-33 (Porcine) 100% CCK-33 (Human) 60% Gastrin I (Human) <0.1% CCK-8 (Sulfated Form) <0.1% CCK-8 (Nonsulfated Form) <0.1% Peptide YY <0.1% Sensitivity*: IC ₅₀ 0.3 pmol/ml (Antiserum Dilution: x 200,000)	Vial	50 µl	32,000
No cross-reactions against the following peptides were observed at much higher doses (20-50 nmol/ml). Glucagon (Human), NPY (Porcine, Bovine), Somatostatin, β-Endorphin (Human), Secretin (Human), and GRP (Human)				
14160-v -20°C	CGRP (Human) Antiserum Calcitonin Gene Related Peptide (Human) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: CGRP (Human)-TG (TG: Bovine Thyroglobulin) Specificity: CGRP (Human) 100% CGRP II (Human) 20% CGRP (Rat) 10% Sensitivity*: IC ₅₀ 0.45 pmol/ml (Antiserum Dilution: x 20,000)	Vial	50 µl	32,000
No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). Methionin-Enkephalin, Oxytocin, NPY (Human), β-Endorphin (Human), and Somatostatin				

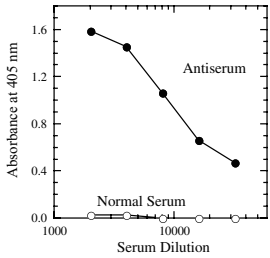
* All sensitivity data are measured by enzyme immunoassay using β-D-galactosidase as a label.

Peptide Antisera (continued)

Code	Product / Description			Price:Yen
14233-v -20°C	CINC-1/gro (Rat) Antiserum Cytokine-Induced Neutrophil Chemoattractant-1 / growth-related oncogene (Rat) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: CINC/gro (Rat, 1-72) (Carrier-free) Specificity: CINC/gro (Rat) 100% [Cys(Acm) ^{9,11}]-CINC/gro (Rat, 1-17) 0% CINC/gro (Rat, 11-34) 0% CINC/gro (Rat, 35-50) 0% CINC/gro (Rat, 51-72) 0% Sensitivity*: IC ₅₀ 0.19 pmol/ml (Antiserum Dilution: x 100,000) No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). Glucagon (Human), Secretin (Human), Gastrin I (Human), CCK-8 (Sulfated Form), and Somatostatin	Vial	50 µl	32,000
14250-v -20°C	CNP-22 (Human) Antiserum C-type Natriuretic Peptide-22 (Human) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: CNP-22 (Human)-TG (TG: Bovine Thyroglobulin) Specificity: CNP-22 (Human) 100% CNP-53 (Porcine, Rat) 100% CNP-53 (Human) 100% ANP (Human, 1-28) 0% ANP (Rat, 1-28) 0% BNP-32 (Human) 0% BNP-45 (Human) 0% BNP-32 (Rat) 0% Sensitivity*: IC ₅₀ 0.25 pmol/ml (Antiserum Dilution: x 10,000) No cross-reactions against the following peptides were observed at much higher doses (10-200 nmol/ml). Secretin (Human), CRF (Human), Substance P, CGRP (Human), and Endothelin-2 (Human)	Vial	50 µl	32,000
14136-v -20°C	CRF (Human, Rat) Antiserum Corticotropin Releasing Factor (Human, Rat) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: CRF (Human, Rat)-TG (TG: Bovine Thyroglobulin) Specificity: CRF (Human, Rat) 100% CRF (Human, 32-41) 35% CRF (Ovine) <0.1% CRF (Ovine, 32-41) <0.1% Sensitivity*: IC ₅₀ 5.2 pmol/ml (Antiserum Dilution: x 10,000) No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). Oxytocin, [Arg ⁸]-Vasopressin, [Met ⁵]-Enkephalin, and Somatostatin	Vial	50 µl	32,000

* All sensitivity data are measured by enzyme immunoassay using β-D-galactosidase as a label.

Peptide Antisera (continued)

Code	Product / Description	Price:Yen																
14338-v	β-Defensin-2 (Human) Antiserum (Rabbit)	Vial 50 μ l 32,000																
-20 $^{\circ}$ C	<p>Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0)</p> <p>Immunogen: β-Defensin-2 (Human)-TG (TG: Bovine Thyroglobulin)</p> <p>Reactivity:</p> <table border="0"> <tr><td>β-Defensin-2 (Human)</td><td>+</td></tr> <tr><td>β-Defensin-1 (Human)</td><td>-</td></tr> <tr><td>β-Defensin-3 (Human)</td><td>-</td></tr> <tr><td>β-Defensin-4 (Human)</td><td>-</td></tr> <tr><td>α-Defensin-1 (Human)</td><td>-</td></tr> <tr><td>α-Defensin-2 (Human)</td><td>-</td></tr> <tr><td>α-Defensin-3 (Human)</td><td>-</td></tr> <tr><td>α-Defensin-5 (Human)</td><td>-</td></tr> </table>	β -Defensin-2 (Human)	+	β -Defensin-1 (Human)	-	β -Defensin-3 (Human)	-	β -Defensin-4 (Human)	-	α -Defensin-1 (Human)	-	α -Defensin-2 (Human)	-	α -Defensin-3 (Human)	-	α -Defensin-5 (Human)	-	 <p>β-Defensin-2 (Human) Antiserum Dilution Curve</p>
β -Defensin-2 (Human)	+																	
β -Defensin-1 (Human)	-																	
β -Defensin-3 (Human)	-																	
β -Defensin-4 (Human)	-																	
α -Defensin-1 (Human)	-																	
α -Defensin-2 (Human)	-																	
α -Defensin-3 (Human)	-																	
α -Defensin-5 (Human)	-																	
	<ol style="list-style-type: none"> 1) Y. Abiko, A.K. Suraweera, M. Nishimura, T. Arakawa, T. Takuma, I. Mizoguchi, and T. Kaku, <i>Virchows Arch.</i>, 438, 248 (2001). (<i>Immunohistochem.</i>) 2) N. Mizukawa, K. Sawaki, H. Ngatsuka, M. Kamio, E. Yamachika, J. Fukunaga, T. Ueno, S. Takagi, and T. Sugahara, <i>Anticancer Res.</i>, 21, 2171 (2001). (<i>Immunohistochem.</i>) 3) P.Y. Ong, T. Ohtake, C. Brandt, I. Strickland, M. Boguniewicz, T. Ganz, R.L. Gallo, and D.Y.M. Leung, <i>N. Engl. J. Med.</i>, 347, 1151 (2002). (<i>Immunohistochem.</i>) 4) P. Chadebech, D. D. Goidin, C. Jacquet, J. Viac, D. Schmitt, and M-J. Staquet, <i>Cell Biol. Toxicol.</i>, 19, 313 (2003). (<i>Immunohistochem.</i>) 																	
14243-v	Elafin (Human) Antiserum (Rabbit)	Vial 50 μ l 32,000																
-20 $^{\circ}$ C	<p>Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0)</p> <p>Immunogen: Elafin (Human, 1-57) (Carrier-free)</p> <p>Specificity: Elafin (Human) 100%</p> <p>Sensitivity*: IC₅₀ 0.40 pmol/ml (Antiserum Dilution: x 20,000)</p> <p>No cross-reactions against the following peptides were observed at much higher doses (10-250 nmol/ml). Endothelin-1 (Human), ANP (Human, 1-28), CRF (Human), Substance P, and NPY (Human)</p>																	

* All sensitivity data are measured by enzyme immunoassay using β -D-galactosidase as a label.

Peptide Antisera (continued)

***** Antisera of Endothelins *****

Code	Product / Description			Price:Yen
14198-v -20°C	Endothelin-1 (Human) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Endothelin-1 (Human, 1-21)-TG (TG: Bovine Thyroglobulin) Specificity: Endothelin-1 (Human) 100% Endothelin-2 (Human) 60% Endothelin-3 (Human) 40% Big Endothelin-1 (Human, 1-38) <1% Big Endothelin-1 (Porcine, 1-39) <1% Sensitivity*: IC ₅₀ 1.0 pmol/ml (Antiserum Dilution: x 20,000)	Vial	50 µl	32,000
1) S.H. Murch, C.P. Braegger, W.C. Sessa, and T.T. MacDonald, <i>Lancet</i> , 339 , 381 (1992). (<i>Immunohistochem.</i>)				
14210-v -20°C	Big Endothelin-1 (Porcine, 22-39) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Big Endothelin-1 (Porcine, 22-39)-BSA (BSA: Bovine Serum Albumin) Specificity: Big Endothelin-1 (Porcine, 22-39) 100% Big Endothelin-1 (Porcine, 1-39) 100% Big Endothelin-1 (Human, 1-38) 10% Big Endothelin-1 (Human, 18-38) 10% Endothelin-1 (Human) 0% Endothelin-2 (Human) 0% Endothelin-3 (Human) 0% Sensitivity*: IC ₅₀ 0.45 pmol/ml (Antiserum Dilution: x 30,000)	Vial	50 µl	32,000
14224-v -20°C	Big Endothelin-1 (Human, 22-38) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Big Endothelin-1 (Human, 22-38)-BSA (BSA: Bovine Serum Albumin) Specificity: Big Endothelin-1 (Human, 1-38) 100% Big Endothelin-1 (Human, 22-38) 50% Big Endothelin-2 (Human, 22-38) <0.1% Big Endothelin-3 (Human, 22-41 Amide) <0.1% Endothelin-1 (Human) 0% Sensitivity*: IC ₅₀ 2.5 pmol/ml (Antiserum Dilution: x 20,000) No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). Peptide YY, CGRP (Human), Secretin (Human), β-Endorphin (Human), and Somatostatin	Vial	50 µl	32,000

* All sensitivity data are measured by enzyme immunoassay using β-D-galactosidase as a label.

Peptide Antisera (continued)

***** Antisera of Endothelins (continued) *****

Code	Product / Description			Price:Yen
14225-v -20°C	Big Endothelin-2 (Human, 22-38) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Big Endothelin-2 (Human, 22-38)-BSA (BSA: Bovine Serum Albumin) Specificity: Big Endothelin-2 (Human, 1-38) 100% Big Endothelin-2 (Human, 22-38) 200% Big Endothelin-2 (Human, 1-37) 0% Big Endothelin-1 (Human, 1-38) 0% Big Endothelin-3 (Human, 1-41 Amide) 0% Endothelin-1 (Human) 0% Endothelin-2 (Human) 0% Endothelin-3 (Human) 0% Sensitivity*: IC ₅₀ 0.25 pmol/ml (Antiserum Dilution: x 40,000) No cross-reactions against the following peptides were observed at much higher doses (100-2,000 pmol/ml). ANP (Human, 1-28), BNP-32 (Human), CNP-53 (Human), Substance P, and CRF (Human)	Vial	50 µl	32,000
14238-v -20°C	Big Endothelin-2 (Human, 22-37) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Big Endothelin-2 (Human, 22-37)-BSA (BSA: Bovine Serum Albumin) Specificity: Big Endothelin-2 (Human, 1-37) 100% Big Endothelin-2 (Human, 1-38) 0% Big Endothelin-2 (Human, 22-37) 400% Big Endothelin-1 (Human, 1-38) 0% Big Endothelin-3 (Human, 1-41 Amide) 0% Endothelin-1 (Human) 0% Endothelin-2 (Human) 0% Endothelin-3 (Human) 0% Sensitivity*: IC ₅₀ 1.8 pmol/ml (Antiserum Dilution: x 100,000) No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). Peptide YY, CGRP (Human), Secretin (Human), β-Endorphin (Human), and Somatostatin	Vial	50 µl	32,000
14226-v -20°C	Big Endothelin-3 (Human, 22-41 Amide) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Big Endothelin-3 (Human, 22-41 Amide)-BSA (BSA: Bovine Serum Albumin) Specificity: Big Endothelin-3 (Human, 1-41 Amide) 100% Big Endothelin-3 (Human, 22-41 Amide) 35% Big Endothelin-3 (Rat, 1-41 Amide) 100% Big Endothelin-1 (Rat, 1-39) <0.1% Big Endothelin-1 (Human, 1-38) 0% Big Endothelin-2 (Human, 1-37) 0% Endothelin-1 (Human) 0% Endothelin-2 (Human) 0% Endothelin-3 (Human) 0% Sensitivity*: IC ₅₀ 0.45 pmol/ml (Antiserum Dilution: x 20,000) No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). Peptide YY, CGRP (Human), Secretin (Human), β-Endorphin (Human), and Somatostatin	Vial	50 µl	32,000

* All sensitivity data are measured by enzyme immunoassay using β-D-galactosidase as a label.

Peptide Antisera (continued)

Code	Product / Description			Price:Yen
14244-v -20°C	Galanin (Rat) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Galanin (Rat)-BSA (BSA: Bovine Serum Albumin) Sensitivity*: IC ₅₀ 1.2 pmol/ml (Antiserum Dilution: x 30,000) No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). Secretin (Human), CRF (Human), CGRP (Human), and ANP (Human, 1-28)	Vial	50 µl	32,000
14127-v -20°C	GRF (Human) Antiserum Growth Hormone Releasing Factor (Human) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: GRF (Human)-KLH (KLH: Keyhole Limpet Hemocyanin) Specificity: GRF (Human) 100% GRF (Porcine) 100% GRF (Human, 30-44 Amide) 30% GRF (Ovine) 5% GRF (Bovine) 1% GRF (Rat) <0.1% GRF (Human, 1-29) <0.1% Sensitivity*: IC ₅₀ 0.35 pmol/ml (Antiserum Dilution: x 20,000) No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). CRF (Human), VIP, NPY (Human), β-Endorphin (Human), and Somatostatin	Vial	50 µl	32,000
14164-v -20°C	GRP (Human) Antiserum Gastrin Releasing Peptide (Human) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: GRP (Human)-TG (TG: Bovine Thyroglobulin) Specificity: GRP (Human) 100% GRP (Porcine) 75% GRP (14-27) 55% Neuromedin C (GRP, 18-27) 10% Bombesin 10% Neuromedin B <0.1% GRP (Human, 1-18) <0.1% Sensitivity*: IC ₅₀ 0.34 pmol/ml (Antiserum Dilution: x 10,000) No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). Glucagon (Human), Secretin (Human), Gastrin I (Human), Somatostatin, and CCK-8 (Sulfated Form)	Vial	50 µl	32,000

* All sensitivity data are measured by enzyme immunoassay using β-D-galactosidase as a label.

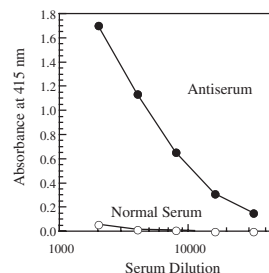
Peptide Antisera (continued)

Code	Product / Description	Price:Yen
14802-v -20 °C	Lysenin Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Lysenin (Carrier-free) Reactivity: Lysenin + For Immunohistochemistry: x 100 - 1,000 dilution	Vial 50 µl 32,000
		<p>Lysenin Antiserum Dilution Curve</p>
14319-v -20 °C	Midkine (Human, 1-59) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Midkine (Human, 1-59)-TG (TG: Bovine Thyroglobulin) Reactivity: Midkine (Human) + Midkine (Human, 1-59) + Midkine (Human, 60-121) - Pleiotrophin (Human) -	Vial 50 µl 32,000
		<p>Midkine (Human, 1-59) Antiserum Dilution Curve</p>
14158-v -20 °C	NPY (Human, Rat) Antiserum Neuropeptide Y (Human, Rat) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: NPY (Human)-TG (TG: Bovine Thyroglobulin) Specificity: NPY (Human) 100% NPY (Porcine) 100% NPY (Human, 1-9) <0.1% NPY (Human, 24-36) <0.1% Pancreatic Polypeptide (Human) <0.1% Peptide YY <0.1% Sensitivity*: IC ₅₀ 3.0 pmol/ml (Antiserum Dilution: x 50,000) No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). Oxytocin, [Arg ⁸]-Vasopressin, Somatostatin, ANP (Human, 1-28), and β-Endorphin (Human)	Vial 50 µl 32,000
14346-v -20 °C	Orexin-A (Human) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Orexin A (Human)-BSA (BSA: Bovine Serum Albumin) Reactivity: Orexin A (Human) + Orexin B (Human) + Orexin B (Rat) + Glucagon-like Peptide 1 (Human, 7-36 Amide) -	Vial 50 µl 32,000
		<p>Orexin-A (Human) Antiserum Dilution Curve</p>

* All sensitivity data are measured by enzyme immunoassay using β-D-galactosidase as a label.

Peptide Antisera (continued)

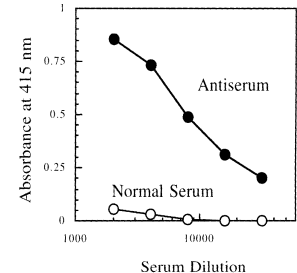
Code	Product / Description		Price:Yen
14276-v -20°C	Osteocalcin (Human, 38-49) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Osteocalcin (Human, 38-49)-BSA (BSA : Bovine Serum Albumin) Specificity: Gla ^{17,21,24} -Osteocalcin (Human, 1-49) 100% Glu ¹⁷ ,Gla ^{21,24} -Osteocalcin (Human, 1-49) 100% Osteocalcin (Human, 38-49) 200% Osteocalcin (Human, 1-13) 0% Sensitivity*: IC ₅₀ 0.60 pmol/ml (Antiserum Dilution: x 50,000) No cross-reactions against the following peptides were observed at much higher doses (20-200 pmol/ml). Endothelin-1 (Human), ANP (Human, 1-28), CRF(Human), Substance P, and Secretin (Human)	Vial	50 µl 32,000
14186-v -20°C	[Pyr³³]-Pancreastatin (Porcine, 33-49) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: [Pyr ³³]-Pancreastatin (Porcine, 33-49)-TG (TG: Bovine Thyroglobulin) Specificity: [Pyr ³³]-Pancreastatin (Porcine, 33-49) 100% Pancreastatin (Porcine, 1-49) 100% Chromogranin A (Human, 286-301 Amide) 100% Sensitivity*: IC ₅₀ 0.27 pmol/ml (Antiserum Dilution: x 50,000) No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). Peptide YY, CGRP (Human), Somatostatin, Secretin (Human), and β-Endorphin (Human)	Vial	50 µl 32,000
14439-v -20°C	Proangiotensin-12 (Rat) Antibody (Rabbit) Affinity purified antibody Lyophilized from 20 mM Phosphate Buffer Saline (pH 7.0) containing 5 mg Bovine Serum Albumin Immunogen: Proangiotensin-12 (Rat)-TG (TG: Bovine Thyroglobulin) Specificity: Proangiotensin-12 (Rat) + Proangiotensin-12 (Human) - Angiotensin I (Human) - Angiotensin II (Human) - Angiotensin III (Human) - Angiotensin IV (Human) - Angiotensin (Human, 1-7) - Angiotensin (Human, 1-14) - Angiotensin (Rat, 1-17) - 1) S. Nagata, J. Kato, K. Sasaki, N. Minamino, T. Eto, and K. Kitamura, <i>Biochem. Biophys. Res. Commun.</i> , 350 , 1026 (2006).	Vial	50 µg 50,000
14418-v -20°C	Salusin-β (Human) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Salusin-β (Human)-TG (TG: Bovine Thyroglobulin) Reactivity: Salusin-β (Human) + Salusin-α (Human) -	Vial	50 µl 32,000



Salusin-β (Human) Antiserum Dilution Curve

* All sensitivity data are measured by enzyme immunoassay using β-D-galactosidase as a label.

Peptide Antisera (continued)

Code	Product / Description	Price:Yen
14112-v -20 °C	Secretin (Porcine) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Secretin (Porcine)-TG (TG: Bovine Thyroglobulin) Specificity: Secretin (Porcine) 100% Secretin (Human) 100% Secretin (Chicken) 0% Sensitivity*: IC ₅₀ 0.27 pmol/ml (Antiserum Dilution: x 50,000) No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). GRP (Human), Gastrin I (Human), NPY (Porcine), Glucagon (Human), and Somatostatin	Vial 50 µl 32,000
14216-v -20 °C	SPAI-1 (Porcine) Antiserum Sodium Potassium ATPase Inhibitor-1 (Porcine) Antiserum (Na⁺,K⁺-ATPase Inhibitor-1 Antiserum) (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: SPAI-1 (Porcine, 1-49)-BSA (BSA: Bovine Serum Albumin) Specificity: SPAI-1 (Porcine, 1-49) 100% SPAI-1 (Porcine, 1-14) 0% SPAI-1 (Porcine, 25-35) 0% Ouabain 0% Sensitivity*: IC ₅₀ 0.14 pmol/ml (Antiserum Dilution: x 30,000) No cross-reactions against the following peptides were observed at much higher doses (100-200 pmol/ml). Calcitonin (Human), CRF (Human), Endothelin-1 (Human), BNP-26 (Porcine), and Secretin (Human)	Vial 50 µl 32,000
14365-v -20 °C	Urotensin II (Human) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: Urotensin II (Human)-BSA (BSA: Bovine Serum Albumin) Reactivity: Urotensin II (Human) ++ Urotensin II (Rat) + Endothelin-1 - Somatostatin - ++: Positive Color Reaction +: Weakly Positive Color Reaction -: Negative Color Reaction in 60 min	Vial 50 µl 32,000  <p style="text-align: center;">Urotensin II (Human) Antiserum Dilution Curve</p>
14110-v -20 °C	VIP (Human, Porcine) Antiserum Vasoactive Intestinal Peptide (Human, Porcine) Antiserum (Rabbit) Antiserum: lyophilized from 1 mM Phosphate Buffer (pH 7.0) Immunogen: VIP (Human, Porcine)-TG (TG: Bovine Thyroglobulin) Specificity: VIP (Human, Porcine) 100% Secretin (Human) <0.1% Glucagon (Human) <0.1% GRF (Human) <0.1% Sensitivity*: IC ₅₀ 1.2 pmol/ml (Antiserum Dilution: x 10,000) No cross-reactions against the following peptides were observed at much higher doses (1-10 nmol/ml). CRF (Human), Oxytocin, NPY (Human), β-Endorphin (Human), and Somatostatin	Vial 50 µl 32,000

* All sensitivity data are measured by enzyme immunoassay using β-D-galactosidase as a label.