



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4735

### Rabbit anti Big Endothelin-1 (rat) [UniProt: P22388]

Big Endothelin-1 (1-38) is a biological precursor of endothelin 1 (1-21). It is cleaved to yield endothelin-1 via the activity of an endothelin-converting enzyme (ECE), a membrane-bound metalloproteinase, that leads to the active Endothelin (1-21) and to the biological inactive C-terminal fragment (22-38). Big Endothelin-1 can be hydrolyzed by chymase to generate endothelin 1 (1-21) in vitro.

This antibody was generated by immunization of rabbits with Big Endothelin-1 coupled to a carrier protein.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	970803-1
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50ml diluted antiserum, lyophilized
<b>Format:</b>	Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN <sub>3</sub> , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
<b>Stability:</b>	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against Big Endothelin-1. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide H-Cys-Ser-Cys-Ser-Ser-Leu-Met-Asp-Lys-Glu-Cys-Val-Tyr-Phe-Cys-His-Leu-Asp-Ile-Ile-Trp-Val-Asn-Thr-Pro-Glu-His-Val-Val-Pro-Tyr-Gly-Leu-Gly-Ser-Pro-Arg-Ser-OH (Disulfide bridge: 1-15 and 3-11) coupled to carrier protein.

## Cross-Reactivity:

PEPTIDE:	%
Big Enothelin-1 (rat)	100
Endothelin-2 (human, canine)	100
Big Endothelin-1 (human)	100
Endothelin-1 (human, canine, rat, porcine, mouse)	100
Big Endothelin-1 (porcine)	100
VIC (mouse)	100
Endothelin-3 (human, rat, porcine, rabbit)	70
Sarafotoxin B	<0.1
$\alpha$ -ANP (1-28) (human)	<0.01
Big Endothelin-1 (22-38) (human)	0
BNP-32 (human)	0
Angiotensin I	0
Angiotensin II	0
[Arg <sup>8</sup> ]-Vasopressin	0
VIP (human, porcine, rat)	0
ACTH (1-39) (human)	0

Related Products: T-4572: Rabbit anti Big Endothelin-1 (rt), neat antiserum  
T-4573: Rabbit anti Big Endothelin-1 (hu), neat antiserum  
T-4575: Rabbit anti Big Endothelin-1 (hu), purified IgG  
T-4574: Rabbit anti Big Endothelin-1 (hu), diluted antiserum  
T-4569: Rabbit anti Big Endothelin-1 (22-38) (hu), neat antiserum  
T-4570: Rabbit anti Big Endothelin-1 (22-38) (hu), diluted antiserum  
T-4571: Rabbit anti Big Endothelin-1 (22-38) (hu), purified IgG

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This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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diluted antiserum

1.3.2021

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