



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4575

### Rabbit anti Big Endothelin-1 (human) [UniProt: P05305]

Big Endothelin-1 (Big ET), is a 38-amino-acid peptide and biological precursor of the potent vasoconstrictor Endothelin-1. It is cleaved to yield endothelin-1 and the C-terminal fragment (22-38) via the activity of a membrane-bound metalloproteinase called endothelin-converting enzyme (ECE). Endothelin is produced by several cell types including vascular endothelial cells, Mesangial cells and kidney cells. 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>	033432
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	400µg
<b>Format:</b>	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
<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-Endothelin-1 (human)	100
Big-Endothelin-1 fragment (22-38) (human)	100
Big Endothelin-1 (rat)	7
Big-Endothelin-1 fragment (22-39) (porcine)	2
Big-Endothelin-1 (porcine)	1
Endothelin-1 (human, bovine, dog, porcine, mouse, rat)	<0.001
Endothelin-2 (human, dog)	<0.001
Endothelin-3 (human, mouse, rabbit, rat)	0
BNP-32 (human)	0
Sarafotoxin B	0

Related Products:

- T-4048: anti Endothelin-1, diluted antiserum, host: rabbit
- T-4049: anti Endothelin-1, purified IgG
- T-5011: anti Endothelin-1, neat antiserum, host: guinea pig
- T-5010: anti Endothelin-1, diluted antiserum, host: guinea pig
- S-1156: ELISA, extraction-free for serum and plasma samples
- T-4735: anti Big Endothelin-1, diluted antiserum (rt)
- T-4574: anti Big Endothelin-1, diluted antiserum (hu)
- T-4572: anti Big Endothelin-1, neat antiserum (rt)
- T-4573: anti Big Endothelin-1, neat antiserum (hu)
- T-4570: anti Big Endothelin-1 (22-38), diluted antiserum (hu)
- T-4571: anti Big Endothelin-1(22-38), purified IgG (hu)
- T-4569: anti Big Endothelin-1(22-38), neat antiserum (hu)

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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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rabbit IgG

1.12.2020