



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4572

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

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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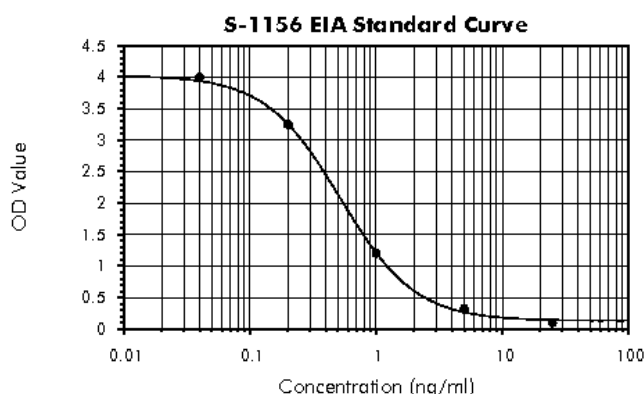
### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A08536
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50µl
<b>Format:</b>	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
<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 (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

Typical titration curve of Endothelin-1 in a competitive ELISA with this antibody:



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-4575: anti Big Endothelin-1, purified IgG (hu)
- 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)

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.

T-4572 neat antiserum

1.12.2020