



BMA BIOMEDICALS



Peninsula Laboratories

T-4573

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.

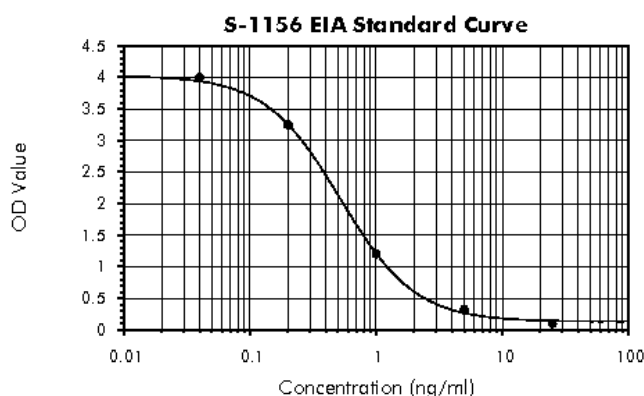
TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	961025
Host species:	Rabbit IgG
Quantity:	50µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
Stability:	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.
Applications:	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 www.bma.ch for protocols and general information.
Immunogen:	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

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-4572: anti Big Endothelin-1, neat antiserum (rt)
- 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-4573

neat antiserum

1.12.2020