



BMA BIOMEDICALS



Peninsula Laboratories

T-4571
Rabbit anti Big Endothelin-1 Fragment (22-38) (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 Fragment (22-38) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	033433
Host species:	Rabbit IgG
Quantity:	400µg
Format:	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.
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 Fragment (22-38). 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 fragment (22-38) (human)	100
Big Endothelin-1 (human)	100
Big Endothelin-1 (porcine)	2
Endothelin-1 (human, bovine, dog, porcine, mouse, rat)	<0.01
Endothelin-2 (human, dog)	<0.01
Endothelin-3 (human, rat)	<0.01
Sarafotoxin B	<0.01
ANF (1-28) (human)	0
Angiotensin II	0
[Arg ⁸]-Vasopressin	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-4575: anti Big Endothelin-1, 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.

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rabbit IgG

1.12.2020