



BMA BIOMEDICALS



Peninsula Laboratories

T-4574

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:	021442-8
Host species:	Rabbit IgG
Quantity:	50ml
Format:	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of 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 ₃ , and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
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 (22-38) (human)	100
Big Endothelin-1 (rat)	7
Big-Endothelin-1 (22-39) (porcine)	2
Big-Endothelin-1 (porcine)	1
Endothelin-1 (human, porcine, canine, rat)	<0.001
Endothelin-2 (human, canine)	<0.001
Endothelin-3 (human, 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-4573: anti Big Endothelin-1, neat 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-4574

diluted antiserum

1.12.2020