



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Big Endothelin-1 Fragment (22-38)

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

Catalog Number:	T-4570 (Lot 021053-2)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human
Quantity:	1.0 ml
Format:	Diluted antiserum, lyophilized. This stock 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. Reconstitute by adding 1.0 ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide H-Val-Asn-Thr-Pro-Glu-His-Val-Val-Pro-Tyr-Gly-Leu-Gly-Ser-Pro-Arg-Ser-NH ₂ coupled to carrier protein.
Protein database:	<u>human-P05305</u>

Cross-Reactivity:

PEPTIDE	%
Big Endothelin-1 (22-38) (human)	100
Big Endothelin 1(human)	100
Big Endothelin-1 (porcine)	2
Endothelin-1 (porcine, human, Canine, rat)	<0.01
Endothelin-2 (human)	<0.01
Endothelin-3 (human, rat)	<0.01

Cross-Reactivity:

PEPTIDE	%
Sarafotoxin B	<0.01
α -ANP (1-28) (human)	0
Angiotensin II	0
[Arg ⁸]-Vasopressin	0

Applications:

Tested in ELISA against Big Endothelin-1 (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 **bma.ch** for protocols and general information.

Related Products:

T-4048: Rabbit anti Endothelin-1, diluted antiserum
T-4049: Rabbit anti Endothelin-1, purified IgG
T-5011: Guinea pig anti Endothelin-1, neat antiserum
T-5010: Guinea pig anti Endothelin-1, diluted antiserum
S-1156: ELISA, extraction-free for human serum and plasma samples
T-4735: Rabbit anti Big Endothelin-1, diluted antiserum, (rt)
T-4573: Rabbit anti Big Endothelin-1, neat antiserum, (hu)
T-4575: Rabbit anti Big Endothelin-1, purified IgG, (hu)
T-4572: Rabbit anti Big Endothelin-1, neat antiserum, (rt)
T-4574: Rabbit anti Big Endothelin-1, diluted antiserum, (hu)
T-4571: Rabbit anti Big Endothelin-1(22-38), purified IgG, (hu)
T-4569: Rabbit 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. Not for diagnostic or therapeutic applications.