BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti Big Endothelin-1

Big Endothelin-1 (1-38) is a biological precursor of endothelin 1 (1-21). It is cleaved to yield endothelin-1 via the activity of an endothelin-converting enzyme (ECE), a membrane-bound metalloproteinase, that leads to the active Endothelin (1-21) and to the biological inactive C-terminal fragment (22-38). 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

Catalog Number: T-4735 (Lot 970803-1)

Clonality: Polyclonal

Host species: Rabbit

Reactivity: Rat

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% NaN3, 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-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.

Protein database: rat-P22388

Cross-Reactivity:

PEPTIDE	%
Big Enothelin-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

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Phone: +41 61 811 6222, Email: info@bma.ch, www.bma.ch

Cross-Reactivity:

PEPTIDE	%
VIC (mouse)	100
Endothelin-3 (human, rat, porcine, rabbit)	70
Sarafotoxin B	<0.1
α-ANP (1-28) (human)	<0.01
Big Endothelin-1 (22-38) (human)	0
BNP-32 (human)	0
Angiotensin I	0
Angiotensin II	0
[Arg^{8}]-Vasopressin	0
VIP (human, porcine, rat)	0
ACTH (1-39) (human)	0

Applications:

Tested in ELISA against Big Enothelin-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 **bma.ch** for protocols and general information.

Related Products:

T-4572: Rabbit anti Big Endothelin-1, neat antiserum, (rt)
T-4573: Rabbit anti Big Endothelin-1, neat antiserum, (hu)
T-4575: Rabbit anti Big Endothelin-1, purified IgG, (hu)
T-4574: Rabbit anti Big Endothelin-1, diluted antiserum, (hu)
T-4569: Rabbit anti Big Endothelin-1 (22-38), neat antiserum, (hu)
T-4570: Rabbit anti Big Endothelin-1 (22-38), diluted antiserum, (hu)
T-4571: Rabbit anti Big Endothelin-1 (22-38), purified IgG, (hu)

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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