



BMA BIOMEDICALS



Peninsula Laboratories

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**T-4570**  
**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.

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**TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	021053-2
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50ml
<b>Format:</b>	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 <sub>3</sub> , and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
<b>Stability:</b>	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.
<b>Applications:</b>	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 <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide H-Val-Asn-Thr-Pro-Glu-His-Val-Val-Pro-Tyr-Gly-Leu-Gly-Ser-Pro-Arg-Ser-NH <sub>2</sub> coupled to carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE</b>	<b>%</b>
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
Sarafotoxin B	<0.01
$\alpha$ -ANP (1-28) (human)	0
Angiotensin II	0
[Arg <sup>8</sup> ]-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-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-4574: anti Big Endothelin-1, 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)

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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-4570

diluted antiserum

1.12.2020