



BMA BIOMEDICALS



Peninsula Laboratories

T-4305

Rabbit anti Prepro-Endothelin-1 (94-109) (porcine)

Endothelin (ET-1) is a 21 amino acid peptide, also known as preproendothelin-1 (PPET1), that is produced by the vascular endothelium from a 39 amino acid precursor, big ET-1, through the actions of an endothelin converting enzyme (ECE) found on the endothelial cell membrane. ET-1 is involved in regulation of cardiovascular functions where it has been implicated in the pathogenesis of hypertension, coronary vasospasm, and heart failure. It is also known to cause fibrosis of the vascular cells as well as to stimulate production of reactive oxygen species.

This antibody was generated by immunization of rabbits with Prepro-Endothelin-1 (94-109) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	n/a
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 Prepro-Endothelin-1 (94-109). 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-Ser-Leu-Lys-Asp-Leu-Phe-Pro-Ala-Lys-Ala-Ala-Asp-Arg-Arg-Asp-Arg-NH ₂ coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Prepro-endothelin (94-109) (porcine)	100
Prepro-endothelin (110-130) amide (porcine)	0
Endothelin-1 (human, mouse, rat, bovine, canine, porcine)	0
Endothelin-2 (human, dog)	0
Endothelin-3 (human, rat, mouse, rabbit)	0
Big Endothelin-1 (human)	0
Big Endothelin-1 (porcine)	0
Sarafotoxin B	0
ANF (1-28) (human)	0

Related Products: T-4306: Rabbit anti Prepro-Endothelin-1 (94-109)(po), neat antiserum
T-4751: Rabbit anti Prepro-Endothelin-1 (110-130)amide (po), neat antiserum

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

1.3.2021