



BMA BIOMEDICALS



Peninsula Laboratories

T-5010

Guinea pig anti Endothelin-1 (human, bovine, dog, mouse, porcine, rat) [UniProt: P05305, P17322, P13206, P22387, P09558, P22388]

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 guinea pigs with Endothelin-1 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	030313-2
Host species:	Guinea pig
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. 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-OH, (Disulfide bonds between Cys1 and Cys15/Cys3 and Cys11) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
Endothelin-1 (human, rat, porcine, canine, bovine, mouse)	100
Endothelin-2 (human, canine)	100
Endothelin-3 (human, rat, porcine, Rabbit)	0.04
Big Endothelin-1 (human)	100
Big Endothelin-1 (porcine)	100
Big Endothelin-1 (22-38) (human)	0
Sarafotoxin B	2
α -ANP 1-28 (human, canine)	0
BNP-32 (human)	0
Angiotensin II	0
[Arg ⁸]-Vasopressin	0

Related Products: T-4048: anti Endothelin-1, diluted antiserum, host: rabbit
 T-4049: anti Endothelin-1, purified IgG, host: rabbit
 T-4050: anti Endothelin-1, neat antiserum, host: rabbit
 S-1156: ELISA, extraction-free for serum and plasma samples
 T-5011: anti Endothelin-1, neat antiserum, host: guinea pig

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-5010

diluted antiserum

1.12.2020