



BMA BIOMEDICALS



Peninsula Laboratories

T-4497

Rabbit 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 rabbits with Endothelin-1 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	980305
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 Endothelin-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 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, porcine, dog, rat, mouse, bovine)	100
Endothelin-2 (human, dog)	100
Endothelin-3 (human, mouse, rabbit, rat)	70
Big Endothelin-1 (porcine)	100
Big Endothelin-1 (human)	100
Big Endothelin-1 fragment (22-38) (human)	0
VIC (mouse)	100
Sarafotoxin B	<0.1
ANF (1-28) (human)	<0.01
BNP-32 (human)	0
Angiotensin I	0
Angiotensin II	0
[Arg ⁸]-Vasopressin	0
ACTH (1-39) (human)	0
VIP (human, bovine, porcine, rat)	0

Related Products: T-4048: anti Endothelin-1, diluted antiserum, host: rabbit
S-1156: ELISA, extraction-free for serum and plasma samples
T-4050: anti Endothelin-1, neat antiserum, host: rabbit
T-5011: anti Endothelin-1, neat antiserum, host: guinea pig
T-5010: anti Endothelin-1, diluted 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-4049

rabbit IgG

1.12.2020