

Mouse ENDOTHELIN 1 Monoclonal Antibody | anti-EDN1 antibody

MOUSE ANTI HUMAN ENDOTHELIN 1

CATALOG # AAA49180	HOST Mouse	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

ENDOTHELIN 1; Monoclonal Antibody; MOUSE ANTI HUMAN ENDOTHELIN 1; anti-EDN1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	IC4
Form/Format	Purified Purified IgG - liquid
Concentration	Approximate Protein Concentration: 1.0 mg/ml (varies by lot)
Sequence Length	211
Applicable Applications for anti-EDN1 antibody	IHC (Immunohistochemistry)
Perservative Stabilisers	0.1% Sodium Azide (NaN ₃) Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

ADDITIONAL INFORMATION

Related Product Information for anti-EDN1 antibody	Mouse anti Human endothelin 1 antibody, clone IC4 recognizes human endothelin 1 (ET-1). Endothelin-1 in its precursor form is a 212 amino acid protein with a 17 aa signal peptide, an N-terminal pro-peptide region and a C-terminal pro-peptide region flanking the endothelin peptides, big endothelin-1 (38aa), the precursor of the smaller endothelin peptide which is cleaved by endothelin converting enzyme to produce the active endothelin-1 (21aa) peptide and a c-terminal fragment. Endothelin-1 is a potent vasoconstrictor with a molecular weight of approximately 25 kDa. Mouse anti human endothelin 1 antibody, clone IC4 shows less than 10% reactivity with endothelin 3. Plasma levels of both endothelin-1 and big endothelin-1 are useful as predictors for survival of patients with congestive heart failure (Rodeheffer et al. 1992). However, the half life of the endothelin1 peptide in human plasma is very short (c1.0mins) and measurement of big-endothelin-1 may be a more reliable measure of the endothelin secretory pathway activity (Hemsén et al. 1995).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	269995983
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NCBI GeneID	1906
NCBI Accession #	NP_001161791.1
NCBI GenBank Nucleotide #	NM_001168319.1
UniProt Accession #	P05305 ; Q96DA1
Molecular Weight	24,425 Da
NCBI Official Full Name	endothelin-1 isoform 2 preproprotein
NCBI Official Synonym Full Names	endothelin 1
NCBI Official Symbol	EDN1
NCBI Official Synonym Symbols	ET1; QME; PPET1; ARCND3; HDLCQ7
NCBI Protein Information	endothelin-1; preproendothelin-1
UniProt Protein Name	Endothelin-1
UniProt Gene Name	EDN1
UniProt Synonym Gene Names	PPET1; ET-1
UniProt Entry Name	EDN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/endothelin-1-antibody-clone-ic4-immunohistochemistry-elisa/49180>