

Mouse Endothelin 1 ELISA Kit | EDN1 elisa kit

Mouse Endothelin 1 ELISA Kit

CATALOG # AAA105946	REACTIVITY Mouse	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

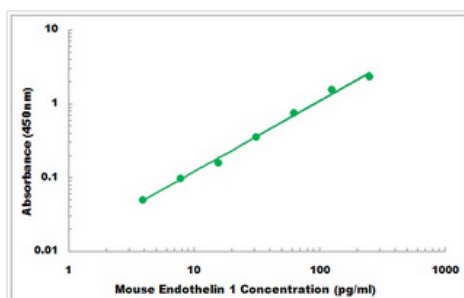
PRODUCT SYNONYMS

Endothelin 1; Mouse Endothelin 1 ELISA Kit; Endothelin-1; Preproendothelin-1; PPET1; EDN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse Endothelin 1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse Endothelin 1 proteins within the range of 3.9 pg/ml - 250 pg/ml.
Sequence Length	202
Samples	Cell Culture Supernatants, Serum, Plasma
Sensitivity	The minimum detectable dose of Mouse Endothelin 1 is typically less than 0.5 pg/ml.
Applicable Applications for EDN1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EDN1 elisa kit	Principle of the assay: The Mouse Endothelin 1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse Endothelin 1 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Mouse Endothelin 1 coated on a 96-well plate. Standards and samples are pipetted into the wells and Endothelin 1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse Endothelin 1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Endothelin 1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: The endothelins is a family of structurally and pharmacologically distinct peptides, which has been identified and sequenced in humans. Three isoforms of human endothelin have been identified: endothelin-1, -2, and -3. Endothelin-1 is a potent, 21-amino acid vasoconstrictor peptide produced by vascular endothelial cells. Endothelins are 21-amino acid vasoconstricting peptides produced primarily in the endothelium having a key role in vascular homeostasis. Endothelins are implicated in vascular diseases of several organ systems, including the heart, general circulation and brain. Endothelins are proteins that constrict blood vessels and raise blood pressure. They are normally kept in balance by other mechanisms, but when they are over-expressed, they contribute to high blood pressure (hypertension) and heart disease.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753720
NCBI GeneID	13614
NCBI Accession #	NP_034234.1
NCBI GenBank Nucleotide #	NM_010104.3
UniProt Accession #	P22387; P70203; P97338
Molecular Weight	22,809 Da
NCBI Official Full Name	endothelin-1
NCBI Official Synonym Full Names	endothelin 1
NCBI Official Symbol	Edn1
NCBI Official Synonym Symbols	ET-1; preproET
NCBI Protein Information	endothelin-1; PPET1; preproendothelin; preproendothelin-1
UniProt Protein Name	Endothelin-1
UniProt Gene Name	Edn1
UniProt Synonym Gene Names	ET-1; PPET1
UniProt Entry Name	EDN1_MOUSE

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.