

Human Endothelin ELISA Kit | EDN1 elisa kit

Human Endothelin PicoKine ELISA Kit

CATALOG #
AAA45521

REACTIVITY
Human

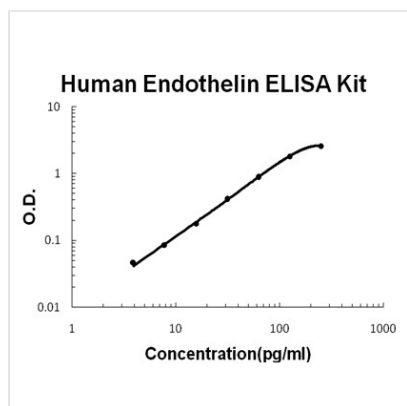
PRODUCT SYNONYMS

Endothelin; Human Endothelin PicoKine ELISA Kit; Endothelin-1; endothelin 1; Big endothelin 1; ET1; HDLCQ7; PPET1; Preproendothelin 1; EDN2; EDN2_HUMAN; Endothelin 2; Endothelin-2; ET 2; ET-2; ET2; PPET2; Preproendothelin 2; Preproendothelin-2; EDN3; EDN3_HUMAN; Endothelin-3; ET 3; ET-3; PPET3; Preproendothelin 3; Preproendothelin-3; EDN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Endothelin
Sequence Length	212
Samples	Cell culture supernates, cell lysates, tissue omogenates, serum and plasma (heparin, EDTA)
Assay Type	Quantitative Sandwich
Detection Range	3.9pg/ml-250pg/ml
Sensitivity	<0.5pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Endothelin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for EDN1 elisa kit	Principle of the Assay: The human Endothelin ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Endothelin has been precoated onto 96-well plates. Standards (Expression system for standard: human peptide, Immunogen sequence: C53-W73) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Endothelin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex is added and unbound conjugates are washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human Endothelin amount of sample captured in plate. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119610
NCBI GeneID	1906
UniProt Accession #	P05305; Q96DA1
Molecular Weight	24,425 Da
NCBI Official Full Name	Endothelin-1
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/edn1-human-elisa-kits/endothelin/45521>