

Endothelin ELISA Kit | EDN1 elisa kit

Chinese Hamster Endothelin PicoKine ELISA Kit

CATALOG # AAA124819	REACTIVITY Hamster There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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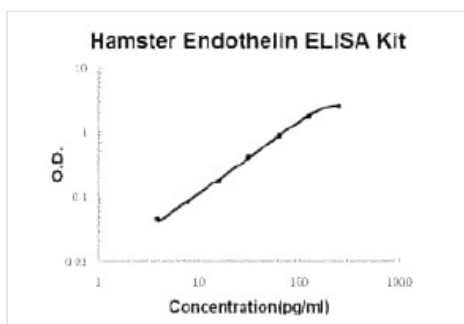
PRODUCT SYNONYMS

Endothelin; Chinese Hamster Endothelin PicoKine ELISA Kit; Endothelin-1; Preproendothelin-1; PPET1; ET-1; Big endothelin-1; EDN1; EDN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Hamster There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant 215 Chinese Hamster Endothelin
Sequence Length	212
Assay Type	Quantitative Sandwich
Detection Range	3.9pg/ml-250pg/ml
Sensitivity	<0.5pg/ml
Applicable Applications for EDN1 elisa kit	ELISA
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EDN1 elisa kit	Principle of the Assay: 215 Chinese Hamster Endothelin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Chinese Hamster Endothelin has been precoated onto 96-well plates. Standards(Expression system for standard: Chinese hamster peptide; Immunogen sequence: C53-W73) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Chinese Hamster Endothelin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was 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 215 Chinese Hamster 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 Chinese hamster 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.
Product Categories/Family for EDN1 elisa kit	Signal Transduction ; Growth Factors/Hormones ; Cardiovascular ; Vasculature ; Endothelium ; Vasoconstriction ; Cancer ; Cancer Metabolism ; Response to Hypoxia ; Metabolism ; Pathways and Processes ; Metabolism Processes ; Types of Disease

NCBI AND UNIPROT INFORMATION

NCBI GI #	269995983
NCBI GeneID	1906
NCBI Accession #	NP_001161791.1
NCBI GenBank Nucleotide #	NM_001168319.1
UniProt Accession #	P05305; Q96DA1
Molecular Weight	24425 MW
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
UniProt Protein Name	Endothelin-1
UniProt Gene Name	EDN1
UniProt Synonym Gene Names	PPET1; ET-1

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-hamster-elisa-kits/endothelin/124819>