

Human Endothelin 2 (EDN2) ELISA Kit | EDN2 elisa kit

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CATALOG #
AAA140831

REACTIVITY
Human

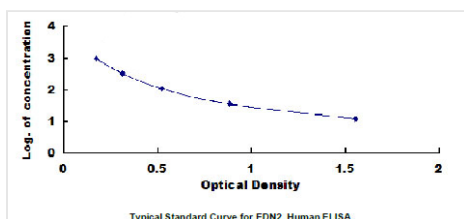
PRODUCT SYNONYMS

Endothelin 2 (EDN2); Human Endothelin 2 (EDN2) ELISA Kit; ET2; PPET2; Preproendothelin-2; EDN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of EDN2. No significant cross-reactivity or interference between EDN2 and analogues was observed.
Sequence Length	178
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	6.17-500pg/mL
Sensitivity	2.42pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EDN2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level EDN2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EDN2 elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of EDN2 in human serum, plasma and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to EDN2 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled EDN2 and unlabeled EDN2 (Standards or samples) with the pre-coated antibody specific to EDN2. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of EDN2 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of EDN2 in the sample.
Product Categories/Family for EDN2 elisa kit	Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503463
NCBI GeneID	1907
NCBI Accession #	NP_001947.1
NCBI GenBank Nucleotide #	NM_001956.4
Molecular Weight	19,960 Da
NCBI Official Full Name	endothelin-2 isoform 1 preproprotein
NCBI Official Synonym Full Names	endothelin 2
NCBI Official Symbol	EDN2
NCBI Official Synonym Symbols	ET2; ET-2; PPET2
NCBI Protein Information	endothelin-2
UniProt Protein Name	Endothelin-2
UniProt Gene Name	EDN2
UniProt Synonym Gene Names	ET-2; PPET2
UniProt Entry Name	EDN2_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://www.aaabiotech.com/human-elisa-kits/endothelin-2-edn2/140831>