

Human Endothelin 3 (EDN3) ELISA Kit | EDN3 elisa kit

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CATALOG #
AAA189657

REACTIVITY
Human

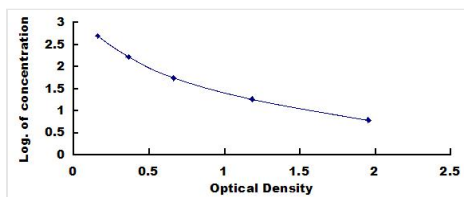
PRODUCT SYNONYMS

Endothelin 3 (EDN3); Human Endothelin 3 (EDN3) ELISA Kit; ET3; PPET3; Preproendothelin-3; EDN3/Endothelin 3; EDN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of EDN3. No significant cross-reactivity or interference between EDN3 and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	6.17-500pg/mL
Sensitivity	< 2.46pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EDN3 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 EDN3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months 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 EDN3 elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to EDN3 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled EDN3 and unlabeled EDN3 (Standards or samples) with the pre-coated antibody specific to EDN3. 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 EDN3 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of EDN3 in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of EDN3 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for EDN3 elisa kit	Metabolic pathway; Endocrinology; Neuro science; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	698848571
NCBI GeneID	1908
NCBI Accession #	NP_001289384.1
NCBI GenBank Nucleotide #	NM_001302455.1
UniProt Accession #	P14138; Q03229; Q7Z6D2; Q9UGT7; E1P5I5
Molecular Weight	23,596 Da
NCBI Official Full Name	endothelin-3 isoform 4 preproprotein
NCBI Official Synonym Full Names	endothelin 3
NCBI Official Symbol	EDN3
NCBI Official Synonym Symbols	ET3; ET-3; WS4B; HSCR4; PPET3
NCBI Protein Information	endothelin-3
UniProt Protein Name	Endothelin-3
UniProt Gene Name	EDN3
UniProt Synonym Gene Names	ET-3; PPET3
UniProt Entry Name	EDN3_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.