

Rabbit Endothelin 1 (EDN1) ELISA Kit | EDN1 elisa kit

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CATALOG #
AAA65376

REACTIVITY
Rabbit

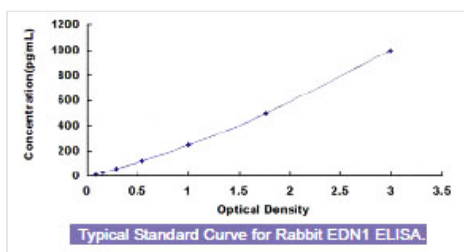
PRODUCT SYNONYMS

Endothelin 1 (EDN1); Rabbit Endothelin 1 (EDN1) ELISA Kit; ET1 PPET1 Preproendothelin-1 Big endothelin-1; EDN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of EDN1. No significant cross-reactivity or interference between EDN1 and analogues was observed.
Sequence Length	202
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Competitive inhibition
Detection Range	15.625-1000pg/mL
Sensitivity	5.63pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EDN1 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 EDN1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EDN1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of EDN1 in rabbit serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to EDN1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to EDN1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain EDN1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of EDN1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156119360
NCBI GeneID	100009270
NCBI Accession #	NP_001095166.1
NCBI GenBank Nucleotide #	NM_001101696.1
UniProt Accession #	P29560
Molecular Weight	22,828 Da
NCBI Official Full Name	endothelin-1
NCBI Official Symbol	EDN1
NCBI Official Synonym Symbols	ET-1
NCBI Protein Information	endothelin-1
UniProt Protein Name	Endothelin-1
UniProt Gene Name	EDN1
UniProt Synonym Gene Names	ET-1; PPET1

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.