

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

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CATALOG #
AAA64728

REACTIVITY
Rat

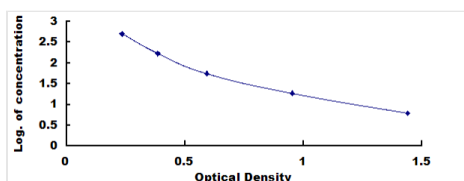
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	7.812-500pg/mL
Sensitivity	2.19pg/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 competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of EDN1 in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to EDN1 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled EDN1 and unlabeled EDN1 (Standards or samples) with the pre-coated antibody specific to EDN1. 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 EDN1 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of EDN1 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978791
NCBI GeneID	24323
NCBI Accession #	NP_036680.1
NCBI GenBank Nucleotide #	NM_012548.2
UniProt Accession #	P22388
Molecular Weight	23,135 Da
NCBI Official Full Name	endothelin-1 preproprotein
NCBI Official Synonym Full Names	endothelin 1
NCBI Official Symbol	Edn1
NCBI Official Synonym Symbols	Et1
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.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/endothelin-1-edn1/64728>