

Human Endothelin 1 (EDN1) CLIA Kit | EDN1 clia kit

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CATALOG # AAA188408	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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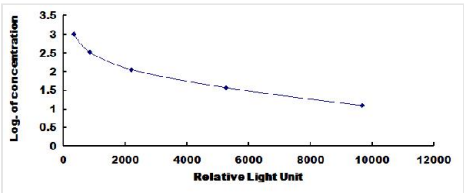
PRODUCT SYNONYMS

Endothelin 1 (EDN1); Human Endothelin 1 (EDN1) CLIA Kit; Endothelin 1; ET1; PPET1; Preproendothelin-1; Big endothelin-1; EDN1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Endothelin 1 (EDN1). No significant cross-reactivity or interference between Endothelin 1 (EDN1) and analogues was observed.
Sequence Length	212
Assay Type	Competitive Inhibition
Samples	Serum, plasma and other biological fluids
Detection Range	3.9-1,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 1.4pg/mL
Applicable Applications for EDN1 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Endothelin 1 (EDN1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Endothelin 1 (EDN1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to Endothelin 1 (EDN1). A competitive inhibition reaction is launched between biotin labeled Endothelin 1 (EDN1) and unlabeled Endothelin 1 (EDN1) (Standards or samples) with the pre-coated antibody specific to Endothelin 1 (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 Endothelin 1 (EDN1) in the sample. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is reverse proportional to the Endothelin 1 (EDN1) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	556203
NCBI GeneID	1906
UniProt Accession #	P05305
NCBI Official Full Name	endothelin-1
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
UniProt Entry Name	EDN1_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://stage.aaabiotech.com/human-clia-kits/endothelin-1-edn1/188408>