

Rat Endothelin 1 ELISA Kit | EDN1 elisa kit

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CATALOG #
AAA85600

REACTIVITY
Rat

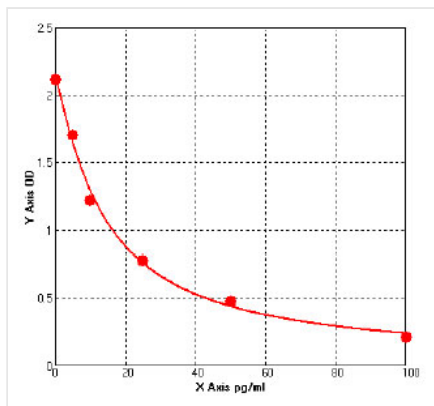
PRODUCT SYNONYMS

Endothelin 1; Rat Endothelin 1 ELISA Kit; EDN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ET-1. No significant cross-reactivity or interference between ET-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ET-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EDN1 elisa kit	Intended Uses: This ET-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ET-1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ET-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ET-1 antibody and an ET-1-HRP conjugate. The assay sample and buffer are incubated together with ET-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ET-1 concentration since ET-1 from samples and ET-1-HRP conjugate compete for the anti-ET-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ET-1 from the sample, fewer sites are left to bind ET-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ET-1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for EDN1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	556203
NCBI GeneID	1906
Molecular Weight	24,425 Da
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; preproendothelin-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://www.aaabiotech.com/edn1-rat-elisa-kits/endothelin-1/85600>