

Rat Anti-Endothelin 1 ELISA Kit | ET-1 elisa kit

Rat Anti-Endothelin 1 ELISA Kit

CATALOG #
AAA83946

REACTIVITY
Rat

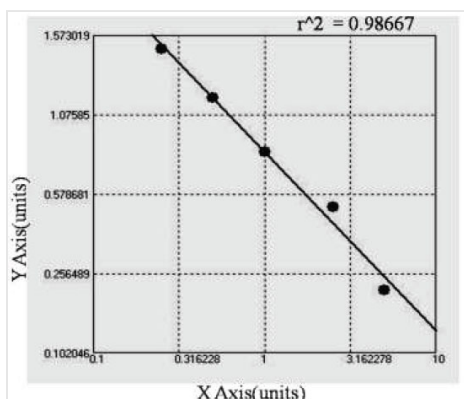
PRODUCT SYNONYMS

Anti-Endothelin 1; Rat Anti-Endothelin 1 ELISA Kit; ET-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL
Intended Uses	This ET-1Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ET-1Ab. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ET-1 elisa kit

Principle of the assay: ET-1Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing Endothelin 1 antigen and an ET-1Ab-HRP conjugate. The assay sample and buffer are incubated together with ET-1Ab-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-1Ab concentration since ET-1Ab from samples and ET-1Ab-HRP conjugate compete for the Endothelin 1 antigen binding site. Since the number of sites is limited, as more sites are occupied by ET-1Ab from the sample, fewer sites are left to bind ET-1Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ET-1Ab concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50950175
NCBI GeneID	403424
NCBI Accession #	NP_001002956.1
NCBI GenBank Nucleotide #	NM_001002956.1
Molecular Weight	22,977 Da
NCBI Official Full Name	endothelin-1
NCBI Official Symbol	EDN1
NCBI Official Synonym Symbols	PPET1
NCBI Protein Information	endothelin-1; ET-1; preproendothelin-1; gene for endothelin
UniProt Protein Name	Endothelin-1
UniProt Gene Name	EDN1
UniProt Synonym Gene Names	ET-1; PPET1
UniProt Entry Name	EDN1_CANFA

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/et-1-rat-elisa-kits/anti-endothelin-1/83946>