

Rat Endothelin Receptor B (ETRB) ELISA Kit | ETRB elisa kit

Rat Endothelin Receptor B (ETRB) ELISA Kit

CATALOG #
AAA64352

REACTIVITY
Rat

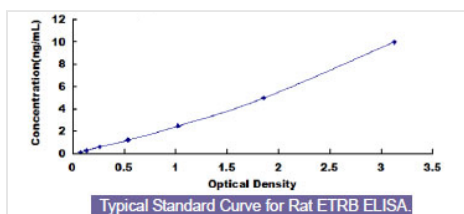
PRODUCT SYNONYMS

Endothelin Receptor B (ETRB); Rat Endothelin Receptor B (ETRB) ELISA Kit; EDNRB; ABCDS; ETB; ETR-B; HSCR; HSCR2; Endothelin receptor non-selective type; Endothelin B receptor; ETRB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ETRB. No significant cross-reactivity or interference between ETRB and analogues was observed.
Sequence Length	442
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.06ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ETRB 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 ETRB 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 ETRB elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ETRB in rat 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 ETRB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ETRB. 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 ETRB, 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 ETRB in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	8393333
NCBI GeneID	50672
NCBI Accession #	NP_059029.1
NCBI GenBank Nucleotide #	NM_017333.1
UniProt Accession #	P21451
Molecular Weight	49,455 Da
NCBI Official Full Name	endothelin B receptor
NCBI Official Synonym Full Names	endothelin receptor type B
NCBI Official Symbol	Ednrb
NCBI Official Synonym Symbols	Etb; Ednra
NCBI Protein Information	endothelin B receptor
UniProt Protein Name	Endothelin B receptor
UniProt Gene Name	Ednrb
UniProt Synonym Gene Names	ET-B; ET-BR

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.