

Rat Ephrin Type B Receptor 3 (EPHB3) ELISA Kit | EPHB3 elisa kit

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CATALOG #
AAA64119

REACTIVITY
Rat

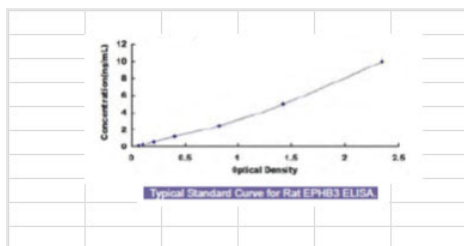
PRODUCT SYNONYMS

Ephrin Type B Receptor 3 (EPHB3); Rat Ephrin Type B Receptor 3 (EPHB3) ELISA Kit; ETK2; HEK2; TYRO6; EPH-like tyrosine kinase 2; Embryonic kinase 2; Tyrosine-protein kinase TYRO6; EPHB3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of EPHB3. No significant cross-reactivity or interference between EPHB3 and analogues was observed.
Sequence Length	1048
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.067ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EPHB3 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 EPHB3 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 EPHB3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of EPHB3 in rat tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to EPHB3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to EPHB3. 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 EPHB3, 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 EPHB3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157787046
NCBI GeneID	287989
NCBI Accession #	NP_001099338.1
NCBI GenBank Nucleotide #	NM_001105868.1
UniProt Accession #	D3ZH39
Molecular Weight	115,537 Da
NCBI Official Full Name	ephrin type-B receptor 3
NCBI Official Synonym Full Names	Eph receptor B3
NCBI Official Symbol	Ephb3
NCBI Protein Information	ephrin type-B receptor 3
UniProt Protein Name	Eph receptor B3 (Predicted)
UniProt Gene Name	Ephb3

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.