EPHB6 ELISA Kit for Human, Mouse, Rat

PRODUCT OVERVIEW

Product Name	EPHB6, ELISA Kit
Full Product Name	EPHB6 Colorimetric Cell-Based ELISA Kit
Product Gene Name	EPHB6 elisa kit
Product Synonym Names	EPB6; Ephrin type-B receptor 6 precursor; HEP; Tyrosine-protein kinase-defective receptor EPH-6
Species Reactivity	Human, Mouse, Rat
Assay Type	Non-Phospho Cell-Based ELISA
Samples	Researchers plate their cell line of choice
Sensitivity	>=5000 cells/well
Form/Format	One 96-Well Plate
Preparation and Storage	Store at 4 degree C.
Molecular Weight	109273
OMIM	D83492 mRNA
3D Structure	ModBase 3D Structure for O15197
Detection Method	Colorimetric 450 nm
Product Categories/Family for EPHB6 elisa kit	Cell Based ELISA Kit
Related Product Information for EPHB6 elisa kit	MBS9500206 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the EPHB6, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing EPHB6. The ELISA analytical biochemical technique of the MBS9500206 kit is based on EPHB6 antibody-EPHB6 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect EPHB6 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, EPHB6. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of EPHB6 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EPHB6. It may not necessarily be applicable to this product.

NCBI GI #	615276339
NCBI GeneID	2051
NCBI Accession #	NP_001267724.2
UniProt Primary Accession #	O15197
UniProt Secondary Accession #	Q2TB23; Q2TB24; A4D2I7; A8CDT5; D3DXD3
UniProt Related Accession #	O15197

GenBank Nucleotide #	NM_001280795.2
NCBI Official Full Name	ephrin type-B receptor 6 isoform b
NCBI Official Synonym Full Names	EPH receptor B6
NCBI Official Symbol	EPHB6
NCBI Official Synonym Symbols	HEP
UniProt Protein Name	Ephrin type-B receptor 6
UniProt Synonym Protein Names	HEP; Tyrosine-protein kinase-defective receptor EPH-6
Protein Family	Ephrin type-B receptor
UniProt Gene Name	EPHB6
NCBI Protein Information	ephrin type-B receptor 6
NCBI Summary for EPHB6	This gene encodes a member of a family of transmembrane proteins that function as receptors for ephrin-B family proteins. Unlike other members of this family, the encoded protein does not contain a functional kinase domain. Activity of this protein can influence cell adhesion and migration. Expression of this gene is downregulated during tumor progression, suggesting that the protein may suppress tumor invasion and metastasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]
UniProt Comments for EPHB6	EphB6: Kinase-defective receptor for members of the ephrin-B family. Binds to ephrin-B1 and ephrin-B2. Modulates cell adhesion and migration by exerting both positive and negative effects upon stimulation with ephrin-B2. Inhibits JNK activation, T-cell receptor-induced IL-2 secretion and CD25 expression upon stimulation with ephrin-B2. Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: EC 2.7.10.1; Eph family; Kinase, protein; Membrane protein, integral; Protein kinase, TK; Protein kinase, tyrosine (receptor); TK group Chromosomal Location of Human Ortholog: 7q34 Cellular Component: cytosol; extracellular region; integral component of plasma membrane; plasma membrane Molecular Function: ATP binding; ephrin receptor activity; receptor activity Biological Process: ephrin receptor signaling pathway; protein amino acid phosphorylation
Research Articles on EPHB6	**1.** Melanomas from geographically different regions in New Zealand have markedly different mutation frequencies, in particular in the NRAS and EPHB6 genes, when compared to The Cancer Genome Atlas database or other populations. These data have implications for the causation and treatment of malignant melanoma in New Zealand.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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