

ARG82591 Human EphB6 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82591 Human EphB6 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human EphB6 in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	This kit could assay both natural and recombinant Human EphB6. No significant cross-reactivity or interference was observed in the following samples: Human: EphB2, GM-CSF, IFN gamma, IL1 beta, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL17A, IL18, IL21, IL22, IL23, MCP1, MIP1 beta, SCF, TGF beta 1, TNF alpha and VEGF. Mouse: EphB6, IFN gamma, IL1 beta, IL2, IL4, IL6, IL10, IL17A and TNF alpha. Rat: IFN gamma, IL1 beta, IL4, IL6, IL10 and TNF alpha.
Target Name	EphB6
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.7 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	31.3 - 2000 pg/ml
Sample Volume	10 - 100 µl
Precision	Intra-Assay CV: 2.5% Inter-Assay CV: 2.6%
Alternate Names	Tyrosine-protein kinase-defective receptor EPH-6; HEP; Ephrin type-B receptor 6

Application Instructions

Assay Time	~ 2.5 hours
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Properties

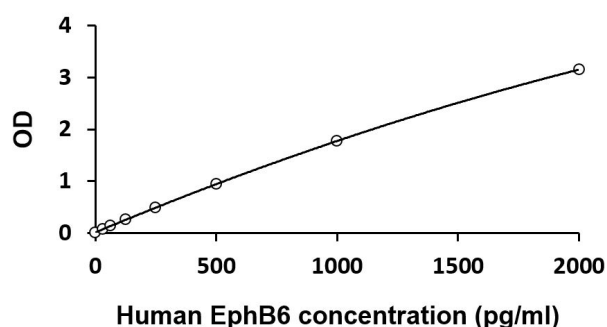
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	EPHB6
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Gene Full Name	EPH receptor B6
Background	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]
Function	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. [UniProt]
Highlight	Related products: EphB antibodies ; EphB ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Ligand-binding increases phosphorylation on tyrosine residues. Phosphorylation on tyrosine residues is mediated by transphosphorylation by the catalytically active EPHB1 in a ligand-independent manner. Tyrosine phosphorylation of the receptor may act as a switch on the functional transition from cell adhesion/attraction to de-adhesion/repulsion. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. Isoform 3: Secreted. [UniProt]

Images



ARG82591 Human EphB6 ELISA Kit standard curve image

ARG82591 Human EphB6 ELISA Kit results of a typical standard run with optical density reading at 450 nm.