

Human EphB6/Eph Receptor B6 ELISA Kit | EphB6 elisa kit

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CATALOG #
AAA258342

REACTIVITY
Human

PRODUCT SYNONYMS

EphB6/Eph Receptor B6; Human EphB6/Eph Receptor B6 ELISA Kit; EphB6 ELISA Kit; Human; EPH receptor B6; EPHB5 ELISA Kit; HEP ELISA Kit; EphB6 elisa kit

PRODUCT SPECIFICATIONS

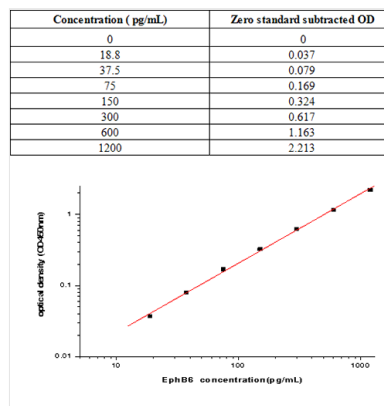
Reactivity	Human
Specificity	For the quantitative determination of EphB6/Eph Receptor B6 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	18.8-1200pg/mL
Sensitivity	12.5pg/mL
Conjugation	HRP
Interference	Preparations of human EPHB1 and EphB6 at 12ng/mL in a mid-range recombinant human EphB6 control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human			
IL-1	IL-2	IL-33	IL-10
IL-8	TNF- α	IL-4	IL-6
IFN- γ	MIP-1 β	TIMP-1	TIMP-2
GM-CSF	SCF	PDGF	VEGF
EGFR	ERK2:GST	TrkB	MCSFR
IGF1R:GST	ErbB3	EphB2	EPHA4:GST
EPHA3	HG3C-EPHA7(579-998)	EPHB1	EPHA2:GST
EPHA1	FGFR3	EPHB1	AMPK(G1:B1/A1)
Recombinant mouse			
EPHB6			

Application Data

This assay recognizes both recombinant and natural Human EphB6. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for EphB6 elisa kit	This EphB6 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human EphB6 protein in Serum. It contains recombinant Human EphB6, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Ephrins are divided into the ephrin-A (EFNA) class and the ephrin-B (EFNB) class based on their structures and sequence relationships. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. EphB6 is an unusual Eph receptor, lacking catalytic capacity due to alterations in its kinase domain. Interestingly, increased metastatic activity is associated with reduced EphB6 receptor expression in several tumor types, including breast cancer. This emphasizes the potential of EphB6 to act as a suppressor of cancer aggressiveness. EphB6 suppress cancer invasiveness through c-Cbl-dependent signaling, morphologic changes, and cell attachment and indicate that EphB6 may represent a useful prognostic marker and a promising target for therapeutic approaches. EphB6 can both positively and negatively regulate cell adhesion and migration, and suggest that tyrosine phosphorylation of the receptor by an Src family kinase acts as the molecular switch for the functional transition. In addition, Ephrin-B2 may be a physiological ligand for the EphB6 receptor.
References	Munthe E, et al. (2000)Ephrin-B2 is a candidate ligand for the Eph receptor, EphB6. FEBS Lett. 466(1): 169-74. Matsuoka H, et al. (2005) Biphasic functions of the kinase-defective Ephb6 receptor in cell adhesion and migration. J Biol Chem. 280(32): 29355-63. Truitt L, et al. (2010) The EphB6 receptor cooperates with c-Cbl to regulate the behavior of breast cancer cells. Cancer Res. 70(3): 1141-53.

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/human-elisa-kits/ephb6-eph-receptor-b6/258342>