

Human EphA1 ELISA Kit | EphA1 elisa kit

Human EphA1 PicoKine ELISA Kit

CATALOG #
AAA125051

REACTIVITY
Human

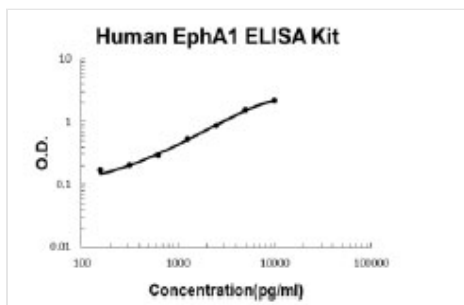
PRODUCT SYNONYMS

EphA1; Human EphA1 PicoKine ELISA Kit; Human EphA1; EphA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human EPHA1
Sequence Length	976
Samples	Cell culture supernatants, serum and plasma (heparin, edta, citrate)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EphA1 elisa kit	Principle of the Assay: The MBS Picokine™ Human EPHA1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human EPHA1 with a 96-well strip plate that is pre-coated with antibody specific for EPHA1. The detection antibody is a biotinylated antibody specific for EPHA1. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Human EPHA1 with immunogen: Expression system for standard: NSO, Immunogen sequence: K26-E547. The kit is analytically validated with ready-to-use reagents. To measure Human EPHA1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The density of the yellow product is linearly proportional to Human EPHA1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human EPHA1 in the sample. Background/Introduction: EPHA1, EPH receptor A1, is a protein that in humans is encoded by the EPHA1 gene. This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. The EPHA1 gene is mapped to 7q34-q35. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene is expressed in some human cancer cell lines and has been implicated in carcinogenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	221316650
NCBI GeneID	2041
NCBI Accession #	NP_005223.4
NCBI GenBank Nucleotide #	NM_005232.5
UniProt Accession #	P21709
NCBI Official Full Name	ephrin type-A receptor 1
NCBI Official Synonym Full Names	EPH receptor A1
NCBI Official Symbol	EPHA1
NCBI Official Synonym Symbols	EPH; EPHT; EPHT1
NCBI Protein Information	ephrin type-A receptor 1

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.