

Human EphA2 ELISA Kit | EphA2 elisa kit

Human EphA2 PicoKine ELISA Kit

CATALOG #
AAA125187

REACTIVITY
Human

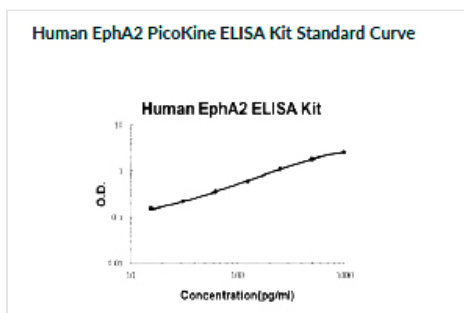
PRODUCT SYNONYMS

EphA2; Human EphA2 PicoKine ELISA Kit; Human EphA2; EPH receptor A2; Ephrin type-A receptor 2; Epithelial cell kinase; Tyrosine-protein kinase receptor ECK; EPHA2; ECK; EphA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human EPHA2
Sequence Length	976
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/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.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EphA2 elisa kit	Principle of the Assay: The Picokine™ Human EPHA2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human EPHA2 with a 96-well strip plate that is pre-coated with antibody specific for EPHA2. The detection antibody is a biotinylated antibody specific for EPHA2. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human EPHA2 with immunogen: Expression system for standard: NSO, Immunogen sequence: A24-V537. The kit is analytically validated with ready to use reagents. To measure Human EPHA2, 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 substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human EPHA2 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 EPHA2 in the sample.!!Background/Introduction: EPH receptor A2 (ephrin type-A receptor 2) is a protein that in humans is encoded by the EPHA2 gene. It is mapped to 1p36.13. This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. 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 encodes a protein that binds ephrin-A ligands. Mutations in this gene are the cause of certain genetically-related cataract disorders.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32967311
NCBI GeneID	1969
NCBI Accession #	NP_004422.2
NCBI GenBank Nucleotide #	NP_004422.2
UniProt Accession #	P29317
NCBI Official Full Name	ephrin type-A receptor 2 isoform 1
NCBI Official Synonym Full Names	EPH receptor A2
NCBI Official Symbol	EPHA2
NCBI Official Synonym Symbols	ECK; CTPA; ARCC2; CTPP1; CTRCT6
NCBI Protein Information	ephrin type-A receptor 2
UniProt Protein Name	Ephrin type-A receptor 2
UniProt Gene Name	EPHA2
UniProt Synonym Gene Names	ECK
UniProt Entry Name	EPHA2_HUMAN

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.