

Rat EphA4 ELISA Kit | EphA4 elisa kit

Rat EphA4 PicoKine ELISA Kit

CATALOG #
AAA125189

REACTIVITY
Rat

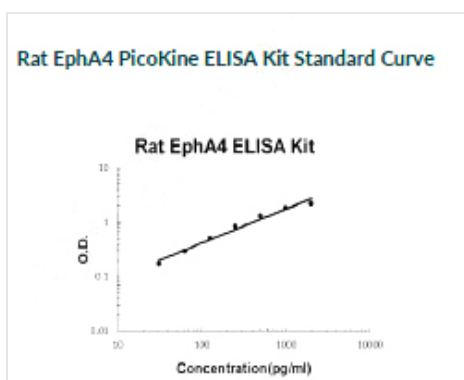
PRODUCT SYNONYMS

EphA4; Rat EphA4 PicoKine ELISA Kit; Rat EphA4; Eph receptor A4; EphA4; EphA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat EphA4
Sequence Length	986
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	31.2pg/ml-2000pg/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 EphA4 elisa kit	Principle of the Assay: The Picokine™ Rat EphA4 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat EphA4 with a 96-well strip plate that is pre-coated with antibody specific for EphA4. The detection antibody is a biotinylated antibody specific for EphA4. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Rat EphA4 with immunogen: Expression system for standard: NSO, Immunogen sequence: V20-T547. The kit is analytically validated with ready to use reagents. To measure Rat EphA4, 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 Rat EphA4 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 Rat EphA4 in the sample.!!Background/Introduction: EPH receptor A4 (ephrin type-A receptor 4) is a protein that in humans is encoded by the EPHA4 gene. It is mapped to 9q33. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	241666404
NCBI GeneID	316539
NCBI Accession #	NP_001155883.1
NCBI GenBank Nucleotide #	NP_001155883.1
UniProt Accession #	D3ZZK3
NCBI Official Full Name	ephrin type-A receptor 4
NCBI Official Synonym Full Names	Eph receptor A4
NCBI Official Symbol	Epha4
NCBI Official Synonym Symbols	RGD1560587
NCBI Protein Information	ephrin type-A receptor 4
UniProt Protein Name	Protein EphA4
UniProt Gene Name	Epha4

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.