Human Ephrin type-A receptor 3 (EPHA3) ELISA Kit

Catalog No: #EK11265

Package Size: #EK11265-1 48T #EK11265-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human Ephrin type-A receptor 3 (EPHA3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ETK; ETK1; HEK; HEK4; TYRO4; TYRO4 protein tyrosine kinase|eph-like tyrosine kinase 1|ephrin receptor EphA3|human embryo kinase 1
Accession No.	P29320
Uniprot	P29320
GeneID	2042;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.113 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate EPHA3 in samples. An antibody specific for EPHA3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyEPHA3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for EPHA3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of EPHA3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:EPH receptor A3 (ephrin type-A receptor 3) is a protein 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. Two alternatively spliced transcript variants have been described for this gene.

Note: This product is for in vitro research use only