Human Ephrin-A5 (EFNA5) ELISA Kit

Catalog No: #EK10493

Package Size: #EK10493-1 48T #EK10493-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Ephrin-A5 (EFNA5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	AF1; EFL5; EPLG7; GLC1M; LERK7; RAGS; eph-related receptor tyrosine kinase ligand 7
Accession No.	P52803
Uniprot	P52803
GeneID	1946;
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:0.156-10 ng/mL

Sensitivity:0.055 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 EFNA5 in samples. An antibody specific for EFNA5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyEFNA5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for EFNA5 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 EFNA5 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Ephrin-A5 prevents axon bundling in cocultures of cortical neurons with astrocytes, a model of late stage nervous system development and differentiation. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, particularly in the nervous system. EPH receptors typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin ligands and receptors have been named by the Eph Nomenclature Committee. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B class, which are transmembrane proteins.

Note: This product is for in vitro research use only