

Human Ephrin-B2 (EFNB2) ELISA Kit

Catalog No: #EK11671



Package Size: #EK11671-1 48T #EK11671-2 96T

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Description

Product Name	Human Ephrin-B2 (EFNB2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-272L14.1; EPLG5; HTKL; Htk-L; LERK5; MGC126226; MGC126227; MGC126228; HTK ligand eph-related receptor tyrosine kinase ligand 5 ephrin B2 ligand of eph-related kinase 5
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:0.057 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 EFNB2 in samples. An antibody specific for EFNB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyEFNB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for EFNB2 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 EFNB2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Ephrin-B2 is a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNB class ephrin which binds to the EPHB4 and EPHA3 receptors.Binds to the receptor tyrosine kinases EPHB4 and EPHA3. May play a role in constraining the orientation of longitudinally projecting axons .

Note: This product is for in vitro research use only