Human Leucine-rich repeat-containing protein 4B (LRRC4B) ELISA Kit

Catalog No: #EK10036

Package Size: #EK10036-1 48T #EK10036-2 96T

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

Description

Product Name	Human Leucine-rich repeat-containing protein 4B (LRRC4B) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DKFZp761A179; HSM; LRIG4; leucine-rich repeats and immunoglobulin-like domains 4
Accession No.	Q9NT99
Uniprot	Q9NT99
GeneID	94030;
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:0.133 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 LRRC4B in samples. An antibody specific for LRRC4B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLRRC4B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LRRC4B 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 LRRC4B bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:LRRC4B is a synaptic adhesion protein. It regulates the formation of excitatory synapses. The trans-synaptic adhesion between LRRC4B and LAR regulates excitatory synapse formation in a bidirectional manner.
LRRC4 are post-synaptic adhesion molecules of the LRR protein family that induce excitatory synapse formation. Mature LRRC4 family members are type I transmembrane proteins with an extracellular region that contains nine LRRs, a C2-type Ig-like domain, and a Thr-rich segment. LRRC4 family members share ~55% aa identity, but each recognizes different ligands. LRRC4 and LRRC4C recognize Netrin-G2 and Netrin-G3, respectively, while LRRC4B recognizes the receptor tyrosine phosphatases LAR/PTPRF, PTPR delta and PTPR sigma.

Note: This product is for in vitro research use only