Human Janus kinase and microtubule-interacting protein 1 (JAKMIP1) ELISA Kit

Catalog No: #EK11543

Package Size: #EK11543-1 48T #EK11543-2 96T

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

Description

Product Name	Human Janus kinase and microtubule-interacting protein 1 (JAKMIP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ31564; Gababrbp; JAMIP1; MARLIN1; Jak and microtubule interacting protein 1|OTTHUMP00000203212|multiple coiled-coil GABABR1-binding protein
Accession No.	Q96N16
Uniprot	Q96N16
GeneID	152789;
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:15.6-1000 pg/mL

Sensitivity:6.0 pg/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 JAKMIP1 in samples. An antibody specific for JAKMIP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyJAKMIP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for JAKMIP1 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 JAKMIP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:MARLIN1 interacts strongly with GABBR1 and that the 2 proteins colocalize in the same subpopulation of neurons in the cortex and hippocampus of the rat brain. Further study showed that MARLIN1 was more prominent in the central region of the cell body and in proximal segments of neuronal projections. It formed discrete granules in hippocampal neurons grown in cell culture. The deduced 626-amino acid human protein contains 3 coiled-coil regions, 2 of which include predicted leucine zipper motifs. The protein shares 95 to 98% sequence identity with the rat and mouse orthologs. Northern blot analysis of rat tissues detected abundant expression in brain and moderate expression in testis. Immunoblot analysis demonstrated an approximately 80-kD human protein.

Note: This product is for in vitro research use only