

Mouse PRELI domain-containing protein 2 (PRELID2) ELISA Kit



Catalog No: #EK8313

Orders: order@signalwayantibody.com

Package Size: #EK8313-1 48T #EK8313-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse PRELI domain-containing protein 2 (PRELID2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	FLJ38376; MGC21644;
Accession No.	Q0VBB0
Uniprot	Q0VBB0
GeneID	77619;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:Request Information

Sensitivity:Request Information

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 PRELID2 in samples. An antibody specific for PRELID2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRELID2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRELID2 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 PRELID2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Prelid2, which belongs to the PRELI domain containing family, is identified as a conserved evolution gene. The expression and regulation during embryonic development of the prelid2 gene is unknown. prelid2 gene expression were found in midbrain, spinal cord, optic eminence, otic vesicle and tail at E9.5 and E10.5 embryos, in forebrain, hindbrain, heart, lung, liver and kidney at E13.5 and E15.5 embryos. Real-time quantitative RT-PCR results verified the expression pattern in the four major mouse organs, brain, heart, lung, and liver during organs differentiation and formation. Bisulfite sequencing illustrated the consistent result of expression and its unmethylation status in the genomic promoter region at E12.5, E18.5, and new born. Thus, the prelid2 gene is a widely-spread, persistently expressed and unmethylated gene in mouse embryonic development.

Note: This product is for in vitro research use only