Human Peroxisomal membrane protein 4 (PXMP4) ELISA Kit

Catalog No: #EK7920

Package Size: #EK7920-1 48T #EK7920-2 96T

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

Description

Product Name	Human Peroxisomal membrane protein 4 (PXMP4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	PMP24; 24 kDa peroxisomal intrinsic membrane protein|peroxisomal membrane protein 4
Accession No.	Q9Y6I8
Uniprot	Q9Y6I8
GeneID	11264;
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: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 PXMP4 in samples. An antibody specific for PXMP4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPXMP4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PXMP4 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 PXMP4 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Pxmp4, which encodes a 24-kDa peroxisomal integral membrane protein of unknown function. Pxmp4 was originally isolated as a 24-kDa polypeptide from rat liver peroxisome membranes (36). As increased message for Pxmp4 is associated with the NOD allele that confers weaker NKT cell stimulatory capacity, one possibility is that Pxmp4 contributes to the biosynthesis of a nonstimulatory etherphospholipid ligand for CD1d. Pxmp4 may be a component in a fatty acid degradation pathway that catabolizes stimulatory CD1d ligands. Peroxisomes play a critical role in the - and -oxidation of very long chain fatty acids. Pex19 associates with Pxmp4 during or immediately after its translation by free ribosomes. Peroxisomal membrane insertion of the Pxmp4-Pex19 complex is dependent on Pex3p.

Note: This product is for in vitro research use only