Mouse Prosaposin (PSAP) ELISA Kit

Catalog No: #EK11398

Package Size: #EK11398-1 48T #EK11398-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Mouse Prosaposin (PSAP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	FLJ00245; GLBA; MGC110993; SAP1; sphingolipid activator protein-1
Accession No.	Q61207
Uniprot	Q61207
GeneID	19156;
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:0.061 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 PSAP in samples. An antibody specific for PSAP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPSAP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PSAP 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 PSAP bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Prosaposin also known as PSAP is a highly conserved glycoprotein which is a precursor for 4 cleavage products: saposins A, B, C, and D. Saposin is an acronym for Sphingolipid Activator PrO[S]teINs. Each domain of the precursor protein is approximately 80 amino acid residues long with nearly identical placement of cysteine residues and glycosylation sites. Saposins A-D localize primarily to the lysosomal compartment where they facilitate the catabolism of glycosphingolipids with short oligosaccharide groups. The precursor protein exists both as a secretory protein and as an integral membrane protein and has neurotrophic activities.Saposins A-D are required for the hydrolysis of certain shingolipids by specific lysosomal hydrolases.

Note: This product is for in vitro research use only