Mouse Leukosialin (SPN) ELISA Kit

Catalog No: #EK6565

Package Size: #EK6565-1 48T #EK6565-2 96T

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

Description

Product Name	Mouse Leukosialin (SPN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	CD43; GPL115; LSN; leukosialin|sialophorin (gpL115; leukosialin; CD43)|sialophorin (leukosialin; CD43)
Accession No.	P15702
Uniprot	P15702
GeneID	20737;
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 SPN in samples. An antibody specific for SPN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySPN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPN 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 SPN bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Sialophorin (leukosialin) is a major sialoglycoprotein on the surface of human T lymphocytes, monocytes, granulocytes, and some B lymphocytes, which appears to be important for immune function and may be part of a physiologic ligand-receptor complex involved in T-cell activation.The nucleotide sequence of the 1.7-kb clone showed that the sialophorin transcript has a 3-prime-noncoding region of 587 nucleotides, is polyadenylated, and has the AATAAA polyadenylation signal. The derived sequence of 341 amino acids showed that the sialophorin protein has 3 domains: an extracellular domain of 195 amino acids, a hydrophobic transmembrane domain of 23 amino acids, and a C-terminal intracellular domain of 123 amino acids which contains a number of sites that might be phosphorylated by protein kinase C.

Note: This product is for in vitro research use only