

Recombinant Human Leukosialin(SPN),partial

Catalog No: #AP70803

Package Size: #AP70803-1 20ug #AP70803-2 100ug #AP70803-3 1mg

Description

Product Name	Recombinant Human Leukosialin(SPN),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:20-253aaSequence Info:Extracellular Domain
Other Names	Galactoglycoprotein ;GALGPLeukocyte sialoglycoprotein;Sialophorin; CD43
Accession No.	P16150
Calculated MW	39.5 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	STTAVQTPTSGEPLVSTSEPLSSKMYTTTSITSDPKADSTGDQTSALPPSTSINEGSPLWTSIGASTGSPLPEPT TYQEVSIMSSVPQETPHATSHPAVPITANSLGSHVTVTGGTITNSPETSSRTSGAPVTTAASSLETSGTSGP PLTMATVSLETSGTSGPPVTMATDSLETSTGTTGPPVTMTTGSLEPSSGASGPQVSSVKLSTMMSPPTSTN ASTVPFRNPDENSR
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

One of the major glycoproteins of thymocytes and T lymphocytes. Plays a role in the physicochemical properties of the T-cell surface and in lectin binding. Presents carbohydrate ligands to selectins. Has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. Is a counter-receptor for SN,Siglec-1 . During T-cell activation is actively involved from the T-cell-APC (antigen-presenting cell) contact site thus suggesting a negative regulatory role in adaptive immune response .

References

Initial characterization of the human central proteome.Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuehmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011)Research Topic:Immunology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.