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SPN Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant SPN.
Catalog # AT4026a

Product Information

Application	WB, E
Primary Accession	P16150
Other Accession	BC012350
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3G8
Calculated MW	40322

Additional Information

Gene ID	6693
Other Names	Leukosialin, Galactoglycoprotein, GALGP, Leukocyte sialoglycoprotein, Sialophorin, CD43, SPN, CD43
Target/Specificity	SPN (AAH12350, 1 a.a. ~ 400 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	SPN Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

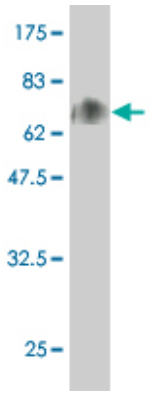
Sialophorin (leukosialin) is a major sialoglycoprotein on the surface of human T lymphocytes, monocytes, granulocytes, and some B lymphocytes, which appears to be important for immune function and may be part of a physiologic ligand-receptor complex involved in T-cell activation.

References

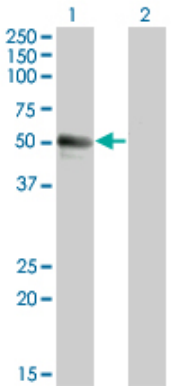
Binding of the Streptococcus gordonii DL1 surface protein Hsa to the host cell membrane glycoproteins CD11b, CD43, and CD50. Urano-Tashiro Y, et al. Infect Immun, 2008 Oct. PMID 18678668.The cleavage of neutrophil leukosialin (CD43) by cathepsin G releases its extracellular domain and triggers its

intramembrane proteolysis by presenilin/gamma-secretase. Mambole A, et al. J Biol Chem, 2008 Aug 29. PMID 18586676.The selective expression of CD43 in adenoid cystic carcinoma. Seethala RR, et al. Appl Immunohistochem Mol Morphol, 2008 Mar. PMID 18227725.LFA-1-mediated leukocyte adhesion regulated by interaction of CD43 with LFA-1 and CD147. Khunkaewla P, et al. Mol Immunol, 2008 Mar. PMID 17996943.Site-specific morphologic differences in extranodal marginal zone B-cell lymphomas. Rawal A, et al. Arch Pathol Lab Med, 2007 Nov. PMID 17979485.

Images

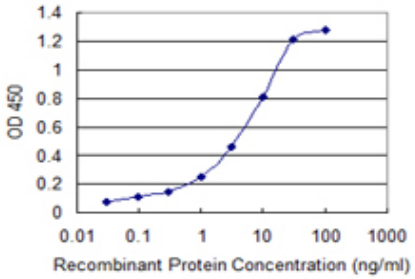


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (69.74 KDa) .



Western Blot analysis of SPN expression in transfected 293T cell line by SPN monoclonal antibody (M01), clone 3G8.

Lane 1: SPN transfected lysate(59.327 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged SPN is 0.03 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.