

## SPN Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant SPN.

Catalog # AT4026a

### Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P16150</a>
<b>Other Accession</b>	<a href="#">BC012350</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	3G8
<b>Calculated MW</b>	40322

### Additional Information

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

### Background

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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.

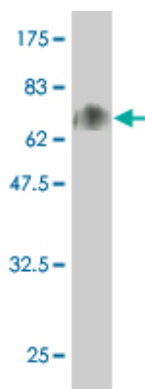
### References

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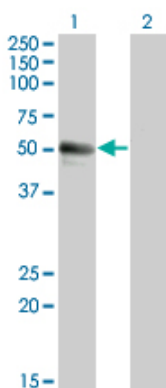
Binding of the Streptococcus gordonii DL1 surface protein Hsa to the host cell membrane glycoproteins CD11b, CD43, and CD50. Urano-Tashiro Y, et al. Infect Immun, 2008 Oct. PMID 18678668. The cleavage of neutrophil leukosialin (CD43) by cathepsin G releases its extracellular domain and triggers its

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



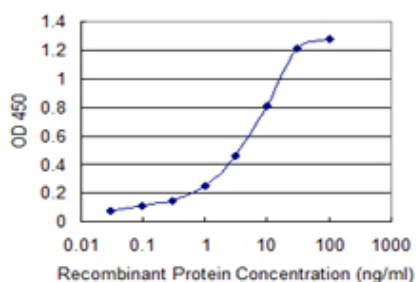
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (69.74 kDa) .



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'.