

**SPN Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a full length recombinant SPN.

Catalog # AT4026a

**Specification**

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**SPN Antibody (monoclonal) (M01) - Product Information**

|                   |                          |
|-------------------|--------------------------|
| Application       | WB, E                    |
| Primary Accession | <a href="#">P16150</a>   |
| Other Accession   | <a href="#">BC012350</a> |
| Reactivity        | Human                    |
| Host              | mouse                    |
| Clonality         | Monoclonal               |
| Isotype           | IgG2a Kappa              |
| Calculated MW     | 40322                    |

**SPN Antibody (monoclonal) (M01) - 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

**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.

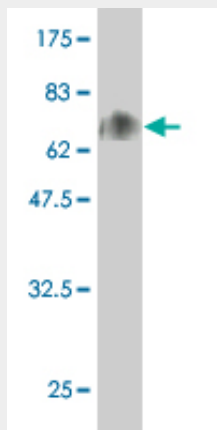
**SPN Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

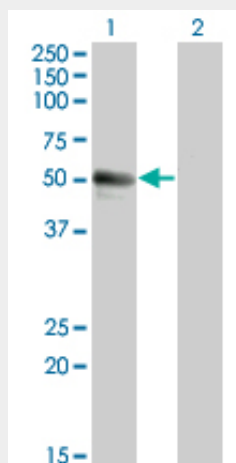
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SPN Antibody (monoclonal) (M01) - Images



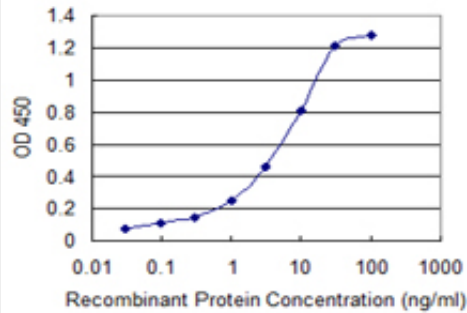
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (69.74 kDa) .



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.

### **SPN Antibody (monoclonal) (M01) - 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.

### **SPN Antibody (monoclonal) (M01) - 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.