

# SPN monoclonal antibody, clone MEM-59 (PE)

Catalog # MAB4554

Size 100 Reactions

## Specification

Product Description	Mouse monoclonal antibody raised against native SPN.
Immunogen	Native purified SPN from human T lymphocytes.
Host	Mouse
Theoretical MW (kDa)	95-135
Reactivity	Human
Specificity	This antibody recognizes neuraminidase-sensitive epitope on CD43 (Leukosialin), a 95-135 KDa type I transmembrane glycoprotein (mucin-type) which is involved in lymphocyte activation.
Form	Liquid
Conjugation	PE
Isotype	IgG1
Recommend Usage	Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or $10^6$ cells in a suspension) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Flow Cytometry

## Gene Info — SPN

Entrez GeneID	<a href="#">6693</a>
Gene Name	SPN
Gene Alias	CD43, GPL115, LSN
Gene Description	sialophorin
Omim ID	<a href="#">182160</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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.[supplied by OMIM]
Other Designations	leukosialin sialophorin (gpL115, leukosialin, CD43) sialophorin (leukosialin, CD43)

## Publication Reference

- [Arf and Rho GAP adapter protein ARAP1 participates in the mobilization of TRAIL-R1/DR4 to the plasma membrane.](#)

Simova S, Klima M, Cermak L, Sourkova V, Andera L.  
Apoptosis 2008 Mar; 13(3):423.
- [MEM-59 monoclonal antibody detects a CD43 epitope involved in lymphocyte activation.](#)

Alvarado M, Klassen C, Cerny J, Horejsi V, Schmidt RE.  
European Journal of Immunology 1995 Apr; 25(4):1051.
- [Molecular mechanisms involved in CD43-mediated apoptosis of TF-1 cells. Roles of transcription Daxx expression, and adhesion molecules.](#)

Cermak L, Simova S, Pintzas A, Horejsi V, Andera L.  
The Journal of Biological Chemistry 2001 Dec; 277(10):7955.

Application: Flow Cyt, Human, TF-1 cells
- [Characterization of a 95 kDa human leucocyte sialoglycoprotein: its identity with CD43, gpL115, leukosialin and sialophorin.](#)

Stefanová I, Hilgert I, Angelisová P, Kristofová H, Horejsi V.  
Folia Biol (Praha) 1988 Jan; 34(4):255.

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)

## Disease

- [Kidney Failure](#)