

SPN monoclonal antibody, clone MEM-59 (FITC)

Catalog # MAB4551

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	FITC
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	6693
Gene Name	SPN
Gene Alias	CD43, GPL115, LSN
Gene Description	sialophorin
Omim ID	182160
Gene Ontology	Hyperlink
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](#)