SPN
Mouse Anti-Human CD43/Sialophorin (Clone MEM-59) mAb

Catalog No.	MON1122	**Quantity:**	100 µg
Alternate Names:	SPN, GALGP, GPL115, LSN, Leukosialin		
Description:	The mouse monoclonal antibody recognizes human CD43, a major sialoglycoprotein found on the surface of thymocytes, T lymphocytes, monocytes, granulocytes, and some B lymphocytes. It may be part of a physiologic ligand-receptor complex involved in T-cell activation. During T-cell activation, this protein is actively removed from the T-cell-APC (antigen-presenting cell) contact site, suggesting a negative regulatory role in adaptive immune response.		
Gene ID:	6693		
Concentration:	1.0 mg/ml		
Conjugate:	Unconjugated		
Specificity:	Human CD43 antigen (gp 95, leukosialin). The epitope recognized by this antibody is neuraminidase-sensitive and is involved in lymphocyte activation.		
Host:	Mouse		
Isotype:	IgG1		
Clone:	MEM-59		
Formulation:	Liquid in PBS containing 15 mM sodium azide, pH 7.4.		
Biological Activity:	MEM-59 co-stimulates T-lymphocytes and induces apoptosis of lineage marker-negative bone marrow hematopoietic progenitor cells that express CD34 at a high density (CD34hi LIN-). However stem cells, more primative cells and differentiated myeliod and mature lymphocytes do not respond to CD43 mediated stimulation by apoptosis.		
Applications:	Western Blot (non-reducing), Immunoprecipitation, Flow Cytometry, Immunohistochemistry		
Application Notes:	The recommended starting dilution is 1:10. However, the optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store antibody at 2-8°C until expiry date. For long-term storage, freeze aliquots at -10 to -80°C. **Avoid freeze/thaw cycles.**		

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