

## Monoclonal Antibody to CD43 / Leukosialin - FITC

<b>Alternate names:</b>	Galactoglycoprotein, Leukocyte sialoglycoprotein, SPN, Sialophorin
<b>Catalog No.:</b>	SM1793F
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	<p>CD43 is one of the major glycoproteins of thymocytes and T lymphocytes, it plays a role in the physicochemical properties of the T cell surface and in lectin binding. CD43 presents carbohydrate ligands to selectins. It has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. The antigen is a counter receptor for SN/Siglec1. During T cell activation CD43 is actively removed from the T cell antigen presenting cell contact site suggesting a negative regulatory role in adaptive immune response.</p> <p>CD43 is expressed by the majority of leucocytes, with the exception of most B cells. However CD43 expression is seen in some cases of B cell lymphocytic lymphoma and centrocytic lymphoma.</p>
<b>Uniprot ID:</b>	<a href="#">P16150</a>
<b>NCBI:</b>	<a href="#">NP_001025459.1</a>
<b>GeneID:</b>	<a href="#">6693</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	DFT-1
<b>Format:</b>	<p><b>State:</b> Liquid purified IgG fraction. <b>Purification:</b> Affinity Chromatography on Protein G. <b>Buffer System:</b> PBS containing 1% BSA as stabilizer and 0.09% Sodium Azide as preservative. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1</p>
<b>Applications:</b>	<p><b>Flow Cytometry:</b> Use 10 µl of neat antibody to label 100 µl whole blood or 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	<p>This antibody recognizes the CD43. <b>Species:</b> Human. Other species not tested.</p>
<b>Storage:</b>	<p>Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>

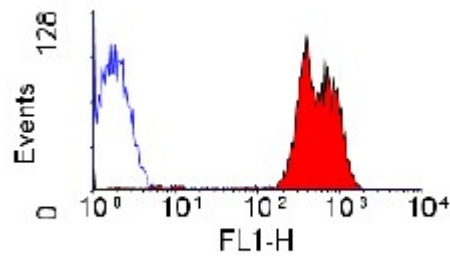
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Antibody Hotline - Technical Questions - Antibody Location Service  
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**General References:** 1. Anzai, N. et al. (1999). Modulation of integrin function in hematopoietic progenitor cells by CD43 engagement: possible involvements of protein tyrosine kinase and phospholipase C-gamma. *Blood*. 93 (10): 3317-3326.

**Pictures:**



Staining of human peripheral blood lymphocytes with FITC conjugated Mouse anti-Human CD43 antibody SM1793F

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