

## Monoclonal Antibody to CD43 / Leukosialin - FITC

<b>Alternate names:</b>	Galactoglycoprotein, Leukocyte sialoglycoprotein, SPN, Sialophorin
<b>Catalog No.:</b>	AM08160FC-N
<b>Quantity:</b>	100 Tests
<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>	DF-T1
<b>Format:</b>	<p><b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1</p>
<b>Applications:</b>	<p><b>Flow Cytometry:</b> 10 µl/10<sup>6</sup> cells. <b>Immunohistochemistry on Frozen Sections.</b> <b>Immunohistochemistry on Paraffin Sections.</b> 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 CD43. <b>Species:</b> Human. Other species not tested.</p>
<b>Storage:</b>	<p>Store 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>
<b>General Readings:</b>	1. Knapp, W., B. Dorken, W.R. Gills, E.P. Rieber, R.E. Schmidt, H. Stein, A.E.G.K. Von dem Borne, eds. 1989. Leukocyte Typing IV: White Cell Differentiation Antigens, Oxford University Press, Oxford.

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2. Barclay, A.N., M.H. Brown, S.K.A. Law, A.J. McKnight, M.G. Tomlinson, and P.A. van der Merwe, eds. 1997. The Leukocyte Antigens Facts Book, 2nd Edition, CD43 Section, Academic Press, New York, p. 238.
3. Cyster, J.G., D.M. Shotton, and A.F. Williams 1991. EMBO J. 10:893.
4. Manjunath, N., M. Correa, M. Ardman, and B. Ardman. 1995. Nature 377:535.

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