

Product datasheet for **SM271FX**

CD43 / Leukosialin Mouse Monoclonal Antibody [Clone ID: W3/13HLK]

Product data:

Product Type:	Primary Antibodies
Clone Name:	W3/13HLK
Applications:	FC
Recommended Dilution:	Flow Cytometry. <u>Tissue Distribution by Flow Cytometry Analysis:</u> Rat Strain: Wister Rat. Cell Concentration: 1x10e6 cells per test. Antibody Concentration Used: 0.5 µg/10 ⁶ cells. Secondary Antibody: FITC Goat Anti-Mouse IgG. <u>Cell Source: Percentage of cells stained above control</u> Thymus: 100% Spleen: 33% Lymph Node: 58.9%
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat thymocyte membrane preparation.
Specificity:	This CD43 monoclonal antibody recognizes a monomorphic determinant expressed on Rat thymocytes, polymorphonuclear cells, plasma cells and stem cells, but not B lymphocytes or pre-B cells (1,3). This antibody is useful for labelling T but not B lymphocytes and in studies on stem cells since pre-B cells are not labelled while the multipotential stem cell is. It may also be used in analysis of NK cells (5) and in molecular studies of the sialoglycoprotein which it recognizes.
Formulation:	PBS containing 0.02% Sodium Azide as preservative and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. Label: FITC State: Liquid purified IgG fraction Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific



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Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Database Link:	P13838
Background:	The antigen is a heavily glycosylated glycoprotein of apparent molecular weight 95 kDa and has a high content of Olinked carbohydrate structures (3). This major glycoprotein of thymocytes and T lymphocytes is referred to by several names including leukocyte sialoglycoprotein and leukosialin. The carbohydrate structures of leukosialin account for approximately 60% of its weight (2). On thymocytes, this glycoprotein is the main target for binding of peanut lectin (4).
Synonyms:	Leukocyte sialoglycoprotein, Sialophorin, Galactoglycoprotein, SPN