

## Product datasheet for **SM271PXS**

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

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Clone Name:           | W3/13HLK   |
| Applications:         | FC, IHC  |
| Recommended Dilution: | <b>Flow Cytometry.</b><br><u>TEST RESULTS:</u><br>Tissue Distribution by Flow Cytometry Analysis:<br>Rat Strain: Wister Rat<br>Cell Concentration: 1x10e6 cells per test<br>Antibody Concentration Used: 0.5µg/10e6 cells<br>Secondary Antibody: FITC Goat Anti-Mouse IgG<br>Percentage of cells stained above control:<br>Thymus 100%<br>Spleen 33%<br>Lymph Node 58.9% |
| Reactivity:           | Rat  |
| Host:                 | Mouse  |
| Isotype:              | IgG1   |
| Clonality:            | Monoclonal   |
| Immunogen:            | Rat thymocyte membrane<br>Immunocyte Donor: BALB/c spleen<br>Fusion Partner: NS1/1   |



[View online »](#)

|                       |  |
|-----------------------|--|
| <b>Specificity:</b>   | Anti-rat 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). 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). 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. |
| <b>Formulation:</b>   | PBS containing 0.02% sodium azide (NaN <sub>3</sub> ) as preservative<br>State: Purified<br>State: Liquid purified Ig fraction   |
| <b>Concentration:</b> | lot specific   |
| <b>Purification:</b>  | Affinity chromatography on Protein G   |
| <b>Conjugation:</b>   | Unconjugated   |
| <b>Storage:</b>       | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.  |
| <b>Stability:</b>     | Shelf life: one year from despatch.  |
| <b>Database Link:</b> | <a href="#">P13838</a>   |
| <b>Synonyms:</b>      | Leukocyte sialoglycoprotein, Sialophorin, Galactoglycoprotein, SPN   |

**Product images:**