

## Monoclonal Antibody to Cdw17, Lactosylceramide

<b>Alternate names:</b>	CDw17
<b>Catalog No.:</b>	DM3053
<b>Quantity:</b>	0.2 mg
<b>Concentration:</b>	0.4 mg/ml
<b>Host / Isotype:</b>	Mouse / IgM
<b>Recommended Isotype Controls:</b>	SM13P
<b>Clone:</b>	HuLy-m13
<b>Immunogen:</b>	Immunoprecipitated complexes of human detergent PBL lysate and anti-b2m proteins.
<b>Applications:</b>	<p>Immunofluorescence: 5-20µg/ml. Flow cytometry: 1-5 µg/10<sup>6</sup> cells. ELISA.</p> <p>Immunohistochemistry: 5-10 µg/mL on frozen sections using avidin-biotin system. This antibody can be used on frozen cryostat sections. This product was not quality controlled in flow cytometry. Recommended positive control: Tonsil, Lymph Node, Granulocytes, Platelets. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	This antibody reacts with lactosylceramide (cer-Glc b1- $\zeta$ 4 Gal). This antibody reacts with all species containing lactosylceramide. This antibody reacts weakly with lactoneotetraosylceramide.
<b>Storage:</b>	Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.
	<p>Aliquoting Instructions: Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.</p>
<b>General Readings:</b>	<ol style="list-style-type: none"><li>1. Lovering, K.E. Characterization of the T-cell surface by monoclonal antibodies. PhD thesis, University of Melbourne, 1985.</li><li>2. Knapp, W. Leukocyte Typing IV, Oxford University Press, pp.810-811, 1989. Also see data on M119, pp.861,874,877-879,897,907,923,925.</li><li>3. Fukuda, M.N., et.al. J. Biol. Chem. 261:2376, 1986.</li><li>4. Nudelman</li></ol>