



Category: Monoclonal Antibodies **Cat. #** 1107NF- V6019 **Product Name:** Cdw17, Lactosylceramide - Purified

Description:
Monoclonal Mouse Anti-Human Lactosylceramide, CD17

Immunogen:
Immunoprecipitated complexes of human detergent PBL lysate and anti-b2m proteins.

Application:
Immunofluorescence 5-20ug/ml. Flow cytometry 1-5 ug/10⁶ cells. ELISA
Immunohistochemistry 5-10 ug/mL on frozen sections using avidin-biotin system. The optimal dilution factors should be determined by the individual laboratory. This product was not quality controlled in flow cytometry.

Species Reactivity:
This antibody reacts with all species containing lactosylceramide. This antibody reacts weakly with lactoneotetraosylceramide.

Recommended Positive Control:
Tonsil, Lymph Node, Granulocytes, Platelets

Presentation:
50 mM Sodium Borate, 150 mM Sodium Chloride, 20% Glycerol and 0.05% Sodium azide, pH 8.0.

Aliquoting Instructions:
Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. 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. When diluting for immunohistochemistry, ELISA or western blot, make the dilution in Antibody Diluting Buffer. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

Staining Procedure:
This antibody can be used on frozen cryostat sections.

Specificity:
This antibody reacts with lactosylceramide (cer-Glc b1->4 Gal).

Storage:
Store at 2~8o C for short term, freeze under -20oC for long term storage.

Size: 0.2 mg
Clone: B392 (HuLy-m13)
Isotype: IgM
Host: Mouse
Form: Purified
Concentration: .4 mg/ml
Units On Hand: YES

References:
1. Lovering, K.E. "Characterization of the T-cell surface by monoclonal antibodies." PhD thesis, University of Melbourne, 1985.
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.
3. Fukoda, M.N., et.al. J. Biol. Chem. 261:2376, 1986.
4. Nudelman, E.D., et.al., J. Biol.Chem., 263:13, 942, 1988.

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