



Category: Monoclonal Antibodies **Cat. #** V6018 **Product Name:** CD16, Fc Gamma Receptor III - Purified

Description:

Monoclonal Mouse Anti-Human Fc Gamma Receptor III, CD16

Immunogen:

Human PBLs for a NK-leukemia patient.

Application:

Immunofluorescence 5-20 ug/mL. Flow cytometry 1-5 ug/10⁶ cells. Immunohistochemistry 5-20 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:

Human. Others not tested.

Recommended Positive Control:

Tonsil and Lymph Node

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. 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 a 50-70 kD glycoprotein (CD16) that is expressed on NK cells, granulocytes, active macrophages, and a small subset of T-cells. It also reacts with NK cells and neutrophils.

Storage:

Store at 2~8°C for short term, freeze under -20°C for long term storage.

Size: 0.2 mg

Clone: B338 (HuNK2)

Isotype: IgG2a

Host: Mouse

Form: Purified

Concentration: 0.5 mg/ml

Units On Hand: YES

References:

1. Huizinga, T.W.J., et al, Nature 333:667, 1988.
2. Lanier, L.L., et al, J. Immunol. 141:3478, 1988.
3. Knapp, W., et al, ed. Leucocyte Typing IV, Oxford University Press, 1989.
4. Cerboni, C., et al, Eur.J. Immunol. 28:1005-1015, 1998.

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