



Category: Monoclonal Antibodies **Cat. #** 1107NF-V6043 **Product Name:** CD56 (NCAM) Purified

Description:
Monoclonal Mouse Anti-Human 56, (N-CAM)

Immunogen:
Membrane preparation from small cell lung carcinoma.

Application:
Immunofluorescence 10-20 micrograms/mL. Flow cytometry 1-5 ug/106 cells. Westernblotting 1-5 ug/mL. Immunohistochemistry 4 -5 micrograms/mL on frozen and formalin fixed tissue sections using avidin-biotin system. The formalin fixed tissue requires boiling in 10 mM citrate buffer, pH 6.0 for 10-20 mins. The optimal dilution factors should be determined by the individual laboratory. This antibody is used for identification of NK- cells. This product was not quality controlled in flow cytometry.

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Human retinoblastoma or neuroblastoma, small Granulocytes Lung Carcinoma or wilms tumors.

Presentation:
10 mM Sodium phosphate, 150 mM Sodium Chloride, 0.2% BSA and 0.05% Sodium azide, pH 7.4

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. GENERAL INFO: 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 acetone fixed frozen cryostat sections. This antibody can be used with formalin-fixed paraffin-embedded tissue sections. These tissue require boiling in 10 mM citrate buffer, pH 6.0 for 10-20 mins. followed by cooling at RT. The antibody may be used at a dilution of 2-4 micrograms/mL in IHC.

Specificity:
This antibody reacts with a 135/220 kD glycosylated and sialyated protein, expressed on CD2+, CD3-, CD16+ natural killer cells and neuroectodermal cells.

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

Size: 0.1 mg
Clone: B332 (123C3D5)
Isotype: IgG1
Host: Mouse
Form: Purified
Mol. Wt. of Antigen: 125, 145, and 180 kD.
Concentration: 0.2 mg/ml
Units On Hand: YES

References:
1. Hercent,T., et al., J.Clin.Invest. 75:923, 1985.
2. Lanier,L., et al., J.Exp.Med. 169:2233,1989.
3. Lanier,L., et al., J.Immunol. 146:4421,1991.

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