



Category: Monoclonal Antibodies **Cat. #** V1104 **Product Name:** CD56, Natural Killer Cell- Purified

Description:

Monoclonal Mouse Anti-Human 56, natural killer cell

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.

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. 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.

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: 0.2 mg

Clone: B332(123C3)

Isotype: IgG1

Host: Mouse

Form: Purified

Mol. Wt. of Antigen: 125, 145, and 180 kD.

Concentration: 0.5 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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