



Category:
Monoclonal Antibodies

Cat. #
1107NF-V6033

Product Name:
CD43a - Purified

Description:

Monoclonal Mouse Anti-Human T-cell, CD43 (Leucosialin, Sialophorin)

Immunogen:

The myeloblast cell line KG1.

Application:

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

Species Reactivity:

Human. Others not tested.

Recommended Positive Control:

Lymphoid Tissue sections

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 as well as formalin-fixed, paraffin-embedded tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. The antibody may be used at a dilution of 5-10 ug/mL in IHC. High temperature antigenic unmasking technique is recommended to enhance staining on formalin fixed tissue sections. It is recommended that this product be used on frozen tissue sections or specimens. The optimal conditions should be determined by the individual laboratory.

Specificity:

This antibody reacts with a 95-115 kD protein on T-cells and thymocytes and a 115-135 kD molecules on neutrophils and platelets. These proteins are o-glycosylated and are mucin-like molecules with different antigenic epitopes.

Storage:

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

Size: 0.2 mg

Clone: B316 (DFT1)

Isotype: IgG1, k

Host: Mouse

Form: Purified

Concentration: .4 mg/ml

Units On Hand: YES

References:

1. Cobbold S, Hale G, Waldmann H. Non-lineage, LFA-1 family, and leucocyte common antigens: new and previously defined clusters. In: McMichael AF et al., eds. Leucocyte Typing III. Oxford University Press, Oxford-New York-Tokyo: 788-803, 1986.
2. Borche L, Lozano F, Vilella R, Vives J. CD43 monoclonal antibodies recognize the large sialoglycoprotein of human leukocytes. Eur J Immunol 17: 1523-6, 1987.

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