



Category: Monoclonal Antibodies	Cat. # V6049	Product Name: CD74, MHC Class II Invariant Chain – Purified
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Description:

Monoclonal Mouse Anti-Human CD74, MHC Class II Invariant Chain (B-cell marker)

Immunogen:

Cell extracts from diffuse histolytic lymphoma SU-DHL-4 cells.

Application:

Immunofluorescence 10-20 ug/mL. Flow cytometry 1-5 ug/10⁶ cells. Immunoblotting 1-5 ug/mL. Immunohistochemistry 10-20 ug/mL on frozen or formalin fixed paraffin embedded tissue sections using avidin-biotin system. The optimal dilution factors should be determined by the individual laboratory.

Species Reactivity:

Human. Others not tested.

Recommended Positive Control:

Tonsil

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 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 10-20 ug/mL. The optimal conditions should be determined by the individual laboratory. When using paraffin-embedded and formalin-fixed tissues, high temperature antigenic unmasking technique is strongly recommended for consistent and reproducible results.

Specificity:

This antibody reacts with several isoforms of the CD74 antigen, the invariant chain of HLA-DR.

Storage:

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

Size: 0.2 mg

Clone: B318 (LN-2)

Isotype: IgG1

Host: Mouse

Form: Purified

Concentration: 0.4 mg/ml

Units On Hand: YES

References:

1. Knapp, W., et al, In "Leucocyte Typing IV" p.568-572, DORKEN, B., et.al., Oxford University Press, 1989.
2. Lazova, R., et al, Cancer 79:2115-2124, 1997

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