



Category:
Monoclonal Antibodies

Cat. #
V6034-2

Product Name:
CD44, Phagocytic Glycoprotein-1 –Purified

Description:

Monoclonal Mouse Anti-Human CD44, (Phagocytic Glycoprotein-1, PGP-1)

Immunogen:

CD44

Application:

Immunofluorescence 5-20 ug/mL. Flow cytometry 1-5 ug/10⁶ cells. Immunoblotting 1-5 ug/mL. Immunohistochemistry 5-20 ug/mL on frozen 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 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 acetone fixed frozen cryostat sections as well as formalin-fixed, paraffin-embedded tissue sections. Prolonged fixation is buffered formalin can destroy the epitope. The antibody may be used at a dilution of 5-20ug/ml. The optimal condition should be determined by individual laboratory.

Specificity:

This antibody reacts with CD44, a glycoprotein of varying molecular weight (29-37 kD on hematopoietic cells and 51 kD on epithelial cells).

Storage:

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

Size: 0.2 mg

Clone: U211(156-3C11)

Isotype: IgG2a

Host: Mouse

Form: Purified

Concentration: .5 mg/ml

Units On Hand: YES

References:

1. Joensuu, H., Klemi, P. J., Toikkanen, S., et.al., Glycoprotein CD44 expression and its association with survival in breast cancer. Amer. J.of Path., 143(3): 867-874, 1993.
2. Matsumura, Y., Hanbury, D., Smith, J., et.al., Non-invasive detection of malignancy by identification of unusual CD44 gene activity in exfoliated cancer cells. British Medical Journal, 308: 619-624, 1994.
3. Mulder, J-W R, Kruyt, P.M., Sewnath, M., et.al., Colorectal cancer prognosis and expression of exon-v6-containing CD44 proteins. The Lancet, 344: 1470-1472, 1994.

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