Antagene Inc.©
Your Source of Antibody

Category:	Cat. #	Product Name:
Monoclonal Antibodies	1107NF-V6034	**CD44, Phagocytic Glycoprotein-1 –Purified**

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

Immunogen:
N/A
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. This product was not quality controlled in flow cytometry.

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 dilutent 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 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 in IHC. For formalin-fixed paraffin-embedded tissue sections, high temperature antigenic unmasking techniques is required. The optimal condition should be determinded 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: B313 (DF1485)
Isotype: IgG1, k
Host: Mouse
Form: Purified
Concentration: .4 mg/ml
Units On Hand: YES

References:
3. 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.
4. 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.
5. 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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