



Category: Monoclonal Antibodies
Cat. # V7099
Product Name: CD34

Description:
Monoclonal Mouse Anti-Human CD34

Immunogen:
Leukemia blast cells.

Application:
Immunohistochemistry 1:50-1:100 on frozen tissue sections. Flow Cytometry 1:150-1:300.

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Tonsil, Spleen, Thymus, Lymphocytes, leukemia Granulocytes

Presentation:
20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

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.

Staining Procedure:
This antibody can be used on frozen tissue sections. The antibody may be used at a dilution of 1:50-1:100. The optimal conditions should be determined by the individual laboratory.

Specificity:
This antibody reacts strongly with CD34. CD34 is selectively expressed on haemopoietic progenitor cells, vascular endothelium, and fibroblasts. CD34, a transmembrane phosphoglycoprotein, may be involved in cellular signal transduction and intercellular adhesion. This clone has been characterized in the VI international workshop on human differentiation antigens.

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

Size: 0.2mg
Clone: B458 (ICO-115)
Isotype: IgG1
Host: Mouse
Form: Purified
Concentration: .5 mg/ml
Units On Hand: YES

References:
1. Frolova, E. et al, Monoclonal antibody ICO-115 to human CD34 antigen. Herald of the Cancer Research Center of RAMS: 10-12, 1994.
2. Baryshnikov, A. et al, Monoclonal antibodies in laboratory and clinic, Thesis: 212, 1997.
3. Kishimoto, et al, Leucocyte Typing VI, Gariand Publishing, 1997.

For Research Use Only

Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com