



Category:
Monoclonal Antibodies

Cat. #
V7101

Product Name:
CD36 - Purified

Description:
Monoclonal Mouse Anti-Human CD36

Immunogen:
Human leucocytes

Cellular Localization:
Cell membrane

Application:
Immunohistochemistry (Frozen sections only) 1:50-1:100. IF--1:25-1:100. Flow Cytometry 1:150-1:300. WB- Not recommended. The optimum dilution should be determined by the individual lab.

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Tonsil, Thymus, Spleen

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. 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 only. 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 binds CD36, an 88kD membrane glycoprotein. CD36 is expressed on a variety of cells including platelets, monocytes, mammary and microvascular cells. CD36 has many functions such as binding to oxidized long-chain fatty acids and oxidized low-density lipoproteins. This antibody reacts with platelets, monocytes, erythrocyte precursors, and endothelial cells. It can specifically recognize hCD36-transfected COS-7 cells.

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

Size: 0.2 mg
Clone: B467(185-1G2)
Isotype: IgG2a
Host: Mouse
Form: Purified
Mol. Wt. of Antigen: 88 kD
Concentration: 0.5 mg/ml
Units On Hand: YES

References:
1. Kishimoto, T. etal, Leukocyte Typing VI, Garland Publishing, New York: 636-643, 1997.
2. Ockenhouse, C.F. etal, Science 243:1469, 1989.
3. Tandon, N.N. etal, J. Biol. Chem. 264:7576, 1989.

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