



Category: Monoclonal Antibodies
Cat. # V6016
Product Name: CD14, Monocyte

Description:
Monoclonal Mouse Anti-Human Monocyte, CD14

Immunogen:
Human monocytes.

Cellular Localization:
Cytoplasmic

Application:
Immunohistochemistry (Paraffin/Frozen), Flow, ELISA

Species Reactivity:
Human. Others not tested.

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.

Staining Procedure:
It is recommended that this product be used in frozen tissue sections or specimens. The optimal conditions should be determined by the individual laboratory. This product is not suitable for use on formalin-fixed, paraffin-embedded sections.

Specificity:
This antibody reacts with a 55 kD single chain membrane glycoprotein that is expressed primarily on monocytes and macrophages. It can also be found on granulocytes, dendritic reticulum cells, Langerhan's cells and some tissue macrophages. It recognizes monocytes (>95%) and granulocytes in peripheral blood and bone marrow. They also recognize perivascular macrophages and Langerhan's cells in skin.

Storage:
Refrigerate at 4°C. Do not freeze.

Size: 0.2 mg
Clone: B365 (B-A8)
Isotype: IgG1, k
Host: Mouse
Form: concentrated at 0.5mg/ml
Units On Hand: YES

References:
1. Goyert, S.M. et al. In Knapp, W. et al. Leucocyte Typing IV. White Cell Differentiation Antigens. Oxford Univ. Press. 789-94, 1989.
2. Goyert, S.M. et al. Science. 239: 497-500, 1988.
3. Scott, C.S. et al. Eur J Haematol. 44: 24-9, 1990.

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