Meridian Life Science,® Inc.
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CERTIFICATE OF ANALYSIS

Important Note: **Centrifuge before opening to ensure complete recovery of vial contents.**

Catalog #: P01150B **Lot #:** 2C0908

Description: MAb to CD13 Myeloid Cells
Monoclonal Antibody to Human CD13 Myeloid cells
Biotin conjugated

Specificity: Recognizes the (Mr 150-170kDa) cell surface glycoprotein expressed in a pan-myeloid fashion. This antibody also reacts with osteoclasts in giant cell tumors of bone (osteoclastoma), clear cell chondrosarcoma and aneurysmal bone cysts (1). The CD13 antigen is present on most cells of myeloid origin, including granulocytes and monocytes in normal peripheral blood. CD13 is not expressed on B-cells, T-cells, platelets or erythrocytes. Expression of this antigen is greater on monocytes than on granulocytes.

Clone: 22A5

Host Animal: Mouse. Hybridization of P3x63-Ag8.653 myeloma cells with spleen cells from BALB/c mice. **Isotype**: Mouse IgG

Source: Tissue culture

Immunogen: A cell suspension containing osteoclasts from osteoclastomas

Format: Biotin, Liquid

Purification: Protein G chromatography

Concentration: 0.1 mg/ml (OD280nm)

Affinity Constant: Not determined

Buffer: 0.01 M (PBS) pH 7.4, 150 mM NaCl, 1% BSA

Preservative: 0.09 % Sodium azide

Applications: Suitable for use in flow cytometry and immunohistochemistry (acetone-fixed frozen sections). We recommend using 1ug to stain 1.0 x 10^6 cells in flow cytometric applications. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Store at 2-8°C. **DO NOT FREEZE**.

Warning: This product contains sodium azide which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1 – 1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

References: The reference listed below is for research purposes only.
Horton, A. M., et al., (1985), Cancer Res., **45**:5663.

Robert Ott

07 Oct 2015

Signature Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY