

CERTIFICATE OF ANALYSIS

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

Catalog #: P42117M **Lot #:** 1C08222

Description: MAb to CD9
Monoclonal Antibody to CD9 gp 24 kD

Specificity: The molecular weight of the recognized antigen is 24 kDa. Recognizes 22-43% of peripheral non-T cells (B cells) (4). Recognizes blood platelets and a few granulocytic cells of normal bone marrow. Recognizes the distal convoluted tubule and the distal right tubule of nephrons.

Host Animal: Mouse **Isotype:** IgG₁, kappa

Source: Ascites

Immunogen: Human bone marrow malignant cells from acute non-T, non-B leukemia.

Format: Purified, Lyophilized
Reconstitute with 1 mL distilled water for a 0.2 mg/mL concentration.

Concentration: 0.2 mg/mL (prior to lyophilization).

Buffer: Lyophilized from Phosphate Buffered Saline containing 1 mg/mL BSA.

Preservative: None

Applications: Fluorescent Microscopy or Flow Cytometry: 2 µg/5x10⁵ cells/test
Immunohistochemistry: Working dilution 1:25 to 1:50. Suitable on frozen sections or cell smears. 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.

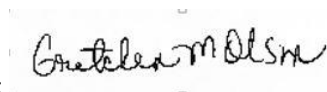
Storage: Store lyophilized product at 2–8°C. After reconstitution, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles. The addition of 0.1% (w/v) Sodium Azide is recommended for storage up to one month at 2–8°C.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

References: The references listed below are for research purposes only:

1. Boucheix, C., et al., (1983), "Characteristics of platelet aggregation induced by the monoclonal antibody ALB6 (acute lymphoblastic leukemia antigen p24)", FEBS - Letters, **161**: 289–294.
2. Boucheix, C., et al., (1985) "A new set of monoclonal antibodies against acute lymphoblastic leukemia", Leuk. Res. Vol 9, no. 5, 597–604.
3. Boucheix, C., et al., (1988), "CD9 antigen: will platelet physiology help to explain the function of a surface molecule during hematopoietic differentiation?", Nouv. Rev. Fr. Hematol., **30**, 201.
4. Horton, M. A., (1987), "Platelet antigens: new and previously defined clusters" in Leucocyte Typing III, McMichael, AJ, Editor, Oxford University Press, (1987), 733–746.
5. This antibody was studied at the Human Leucocyte Workshop in Oxford (1986).

Quality Signature:



23 MAR 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY