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CERTIFICATE OF ANALYSIS

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

Catalog #: P01287M **Lot #:** 2H23015

Description: MAb to CD57
Monoclonal Antibody to Human CD57/HNK-1 (Natural Killer Cells)

Specificity: Recognizes a (Mr 110kDa) carbohydrate molecule on myeloid cells. This surface antigen is associated with myelin-associated glycoprotein (MAG).(1) This antibody blocks binding of HNK-1 (Leu. 7) antibody.(3) The CD57 antigen is present on 15-20% of normal peripheral blood mononuclear cells. It is expressed on a subset of natural killer cells (60%) and on a subset of T-lymphocytes. This carbohydrate is also present on N-CAM in the nervous system.

Clone: VC1.1

Host Animal: Mouse. Hybridization of P3-NSI/1-Ag4-1 myeloma cells with spleen cells from BALB/c mice. **Isotype:** IgM

Source: Tissue Culture

Immunogen: Cat unfixed cortical homogenate area 17.

Format: Purified, Liquid

Purification: Protein A Chromatography

Concentration: 0.1 mg/mL (OD280nm)

Buffer: 0.01 M PBS, pH 7.4 containing 1% BSA.

Preservative: 0.09% Sodium Azide

Applications: Suitable for use in Flow Cytometry, Western Blotting and Immunohistochemistry (formalin fixed paraffin sections). We recommend using 1 µg 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: Short term (up to one month) store at 2–8°C. Long term, aliquot and store at -80°C. Avoid multiple freeze/thaw cycles.

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 references listed below are for research purposes only:

1. Arimatsu, Y., et al., (1987), J. Neuroscience, **7**, 1250.
2. Barnstable, C., et al., (1995), Brain Research, **559**, 118.
3. Abo, T., et al., (1981), J. Immunol., **127**, 1024.

Robert Ott

Signature

25 August 2015
Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY