



Meridian

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CERTIFICATE OF ANALYSIS

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

Catalog #: P01176B **Lot #:** 7J28914

Description: MAb to CD56 NCAM
Monoclonal Antibody to CD56 NCAM
Biotin conjugated

Specificity: Recognizes the (Mr 180, 145, 125kDa) isoforms of the human neural cell adhesion molecule (NCAM)(1). The CD56 antigen is expressed on most neuroectodermal derived cell lines, tissues, and tumors. NCAM is also known to be expressed on some mesodermally derived tissues such as muscle (1) and on natural killer (NK) lymphocytes. The binding of ERIC-1 to both normal and neoplastic tissue is lost when tissues are conventionally fixed in formalin and embedded in paraffin. The epitope was preserved when exposed to dehydrating fixatives such as cold acetone (-20° C) for 5 minutes. CD56 is present on 10-25% of peripheral blood lymphocytes.

Clone: ERIC-1

Host Animal: Mouse **Isotype:** IgG₁

Immunogen: Human reinoblastoma tumor tissue, membrane fraction.

Format: Biotin, Liquid
Concentration: 0.1 mg/ml (OD280nm)

Affinity Constant: Not determined

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

Preservative: 0.09% Sodium Azide

Applications: Can be used in studies of the neural cell adhesion molecule. May also be used to study isoforms of NCAM expressed on different tumor types. Works well in western blot for analysis of isoforms expressed. Did not react with any of the leukemias or lymphomas tested (1). We recommend using 1ug to stain 6 x 10⁵ cells in flow cytometric applications. Not for use in IHC with formalin-fixed, paraffin embedded sections. 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.
Bourne, K. et al., (1991), J. of Neuro-Oncology, **10**:111.

Signature

20 Nov 2015

Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY