

Anti-Human CD56 Mouse Monoclonal Primary Antibody

Clone: UMAB83 REF RU00012

Intended use

Anti-human CD56 (Clone: UMAB83) Mouse Monoclonal Antibody is intended for research use only. Not for use in diagnostic procedures. Not for human or animal consumption.

Background

CD56 is a cell adhesion protein which is a member of the immunoglobulin superfamily. It is involved in cell-to-cell interactions as well as cell-matrix interactions during development and differentiation. The encoded protein has been shown to be involved in development of the nervous system, and for cells involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2011].

Alternative names: MSK39; NCAM; Neural Cell Adhesion Molecule 1

Reagent provided

Anti-human CD56 Mouse Monoclonal Antibody (Clone: UMAB83) is provided in liquid form in 20mM Sodium phosphate, 150mM Sodium chloride, 0.2% BSA, 0.09% Sodium azide, pH 7.4. The isotype of the antibody is IgG1,k. The protein concentration is approximately 1.0 +/- 0.05 mg/mL.

For immunohistochemistry, the antibody may be used at a working dilution of 1:100 - 1:200 for formalin-fixed, paraffin-embedded human tissue. It can be dependent upon the detection system used. These are guidelines only, and optimal dilutions should be determined by the individual laboratory.

Immunogen

Human recombinant protein fragment corresponding to amino acids 20-718 of human NCAM1 (NP_851996) was produced in HEK293T cells.

Specificity

The specificity of the anti-human CD56 Mouse Monoclonal Antibody was established on known positive cells in human pancreas (Islets of Langerhans). The anti-human CD56 presented no staining on formalin fixed human liver and positive staining on formalin fixed human pancreas using immunohistochemical (IHC) test methods.

Precautions

1. This product contains sodium azide (NaN_3), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, NaN_3 may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing.
2. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.
3. Unused reagents should be disposed of according to local, State, and Federal regulations.
4. Suitability for specific application may vary and it is the responsibility of the end user to determine the appropriate application for use and stability.

Storage

Store at 2-8°C. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user.

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