

Anti-Human CD2 Mouse Monoclonal Primary Antibody

Clone: UMAB6 REF RU00011

Intended use

Anti-human CD2 (Clone: UMAB6) Mouse Monoclonal Antibody is intended for research use only. Not for use in diagnostic procedures. Not for human or animal consumption.

Background

CD2 interacts with lymphocyte function-associated antigen (LFA-3) and CD48/BCM1 to mediate adhesion between T-cells and other cell types. CD2 is implicated in the triggering of T-cells, the cytoplasmic domain is implicated in the signaling function.

Alternative names: LFA-2; SRBC; T11

Reagent provided

Anti-human CD2 Mouse Monoclonal Antibody (Clone: UMAB6) 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. The protein concentration is approximately 0.6 +/- 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

Protein expressed in 293T cell transfected with human CD2 expression vector.

Specificity

The specificity of the anti-human CD2 Mouse Monoclonal Primary Antibody was established on known positive human tonsil and negative normal human kidney tissue. The anti-human CD2 presented no staining on formalin fixed, normal kidney tissue and positive staining on formalin fixed, normal human tonsil tissue using immunohistochemical (IHC) test methods.

Precautions

1. This product contains sodium azide (NaN₃), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, NaN₃ 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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