

Monoclonal antibody against human CD69

Product Nos. ADG5080 and ADG5080L

Description

CD69 (C-type lectin domain family 2 C, CLEC2C, also known as AIM) is one of the earliest inducible cell surface molecules acquired during leukocyte activation. This glycoprotein serves as a lectin-type receptor in lymphocytes, NK cells and platelets; it is involved in lymphocyte proliferation. CD69 expression is counteracted on T cells in the AIDS stage of HIV infection, and may be also predictive for clinical response to chemoimmunotherapy.

Properties

The monoclonal antibody ADG5080/L (clone FN50) is a murine monoclonal antibody, subclass IgG₁ kappa. The antibody has been purified from cell culture supernatant using ion exchange chromatography, Purity > 95% (by SDS-PAGE).

The antibody recognizes the CD69 antigen, an early activation marker (within 2h) on T, B and NK-cells, possibly involved in signal transduction. It is also expressed by activated platelets. On flow cytometry the antibody stains > 90% of activated human peripheral blood lymphocytes. This antibody has been studied at the 4. International Workshop on Human Leucocyte Differentiation Antigens.

Presentation

Vial containing 100 µg /100 µl (ADG5080) or 300 µg/ 300 µl (ADG5080L) of purified antibody in PBS (sterile) pH 7.2. The IgG concentration is 1 mg/ml. Spin the vial briefly before opening.

Storage and Stability

Store at 4 °C. For long-term storage aliquot and store at -20°. It is recommended to avoid freeze-thaw cycles. The reagent is stable until the expiry date stated on the vial label.

Applications

Flow cytometry.

References

1. López-Cabrera M and other: 1993 Aug 1;178(2):537-47.
2. Nielsen SD and other: 1998 Oct;114(1):66-72.
3. Pitsios C and other: 2008;68(3):233-41.
4. Konjević G and other: 2007 Nov;37(11):887-96.

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Hinweis/Note:

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