

Monoclonal antibody against human CD69 FITC conjugated

Product Nos. ADG5081 and ADG5081L

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 ADG5081/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.

Conjugation

The purified antibody is conjugated with Fluorescein-isothiocyanate (FITC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

Presentation

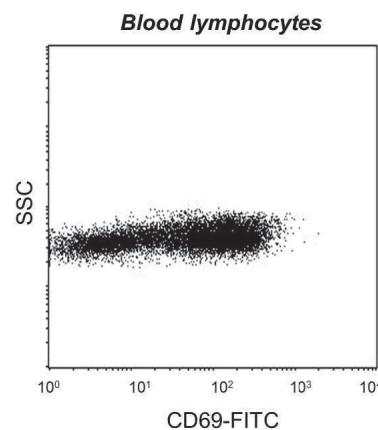
Vial containing 500 µl (ADG5081) or 2 ml (ADG5081L) of purified antibody in PBS containing 1% BSA and 0.09% sodium azide (pH 7.2). The IgG concentration is 1 mg/ml. Spin the vial briefly before opening.

Storage and Stability

Store the antibody at 4°C. Avoid prolonged exposure to light. The reagent is stable until the expiry date stated on the vial label.

Applications

Flow cytometry.



Attention! Cells from one healthy individual are shown. Cell Populations and staining intensity may vary interindividually.

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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The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.