

# anti-human CD69

## Monoclonal Antibody FN50 to CD69 (Human)

Cat-No: **21620691**

100 µg in 100 µl

**Clone:** FN50

**Specificity:** The antibody FN50 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.

**Isotype subclass:** Mouse monoclonal IgG1/kappa

**Form:** Culture supernatant. Purification: Ion exchange chromatography.

**Physical state:** Liquid

**Buffer/Additives/Preservative:** PBS containing 0.09% sodium azide (pH 7.2)

**Expiration date:** The reagent is stable until the expiry date stated on the vial label.

**Storage conditions:** Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

**Application:** Flow cytometry

### References:

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

**Background: 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.

**Warning:** Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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