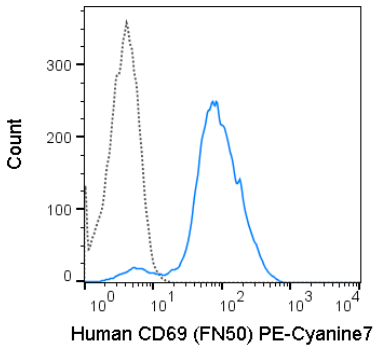
TECHNICAL DATA SHEET

PE-Cyanine7 Anti-Human CD69 (FN50)

Catalog Number: 60-0699

PRODUCT INFORMATION

Contents:	PE-Cyanine7 Anti-Human CD69 (FN50)
Isotype:	Mouse IgG1, k
Concentration:	5 uL (0.5 ug)/test
Clone:	FN50
Reactivity:	Human
Use By:	6 months from date of receipt
Storage Conditions:	2-8°C protected from light
Formulation:	10 mM NaH_2PO_4, 150 mM NaCl, 0.09% NaN_3, 0.1% gelatin, pH7.2



Human peripheral blood lymphocytes were stimulated with PMA+Ionomycin for 5 hours and then stained with 5 uL (0.5 ug) PE-Cyanine7 Anti-Human CD69 (60-0699) (solid line) or 0.5 ug PE-Cyanine7 Mouse IgG1 isotype control (dashed line).

DESCRIPTION

The FN50 monoclonal antibody reacts with human CD69, a type II transmembrane glycoprotein also known as the Very Early Activation Antigen, EA-1, Leu23, Activation Inducer Molecule (AIM) and CLEC2C. CD69 is expressed as a disulfide-linked homodimer on activated T and B cells, NK cells, neutrophils, and monocytes. Induction occurs rapidly upon activation and is transient. It is also constitutively expressed on platelets and a subset of thymocytes.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 uL per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 uL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10e5 to 1x10e8 cells.

REFERENCES

Testi R, D'Ambrosio D, De Maria R, Santoni A. 1994. Immunol Today. Oct;15(10):479-483. Schlossman S, et al. Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.

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