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PE/Cyanine7 Anti-Human CD69 Antibody[FN50]

Catalog Number: E-AB-F1138H

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human Host Mouse

Isotype Mouse IgG1, κ

Clone No. FN50

Isotype Control PE/Cyanine7 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792H]

Conjugation PE/Cyanine 7

Conjugation Information PE/Cyanine7 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm

(e.g., a 780/60 nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

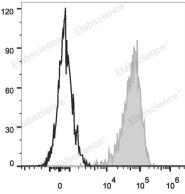
Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

Data



PMA and ionomycin-stimulated (4h) Jurkat cells are stained with PE/Cyanine7 Anti-Human CD69 Antibody (filled gray histogram) or Mouse IgG1 Isotype Control PE/Cyanine7 (empty black histogram).

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names AlM; Activation inducer molecule; EA1; Early activation antigen CD69; MLR-3

 Uniprot ID
 Q07108

 Gene ID
 969

For Research Use Only

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Background

CD69 is a 27-33 kD type II transmembrane protein also known as activation inducer molecule (AIM), very early activation antigen (VEA), and MLR3. It is a member of the C-type lectin family, expressed as a disulfide-linked homodimer. Other members of this receptor family include NKG2, NKR-P1 CD94, and Ly49. CD69 is transiently expressed on activated leukocytes including T cells, thymocytes, B cells, NK cells, neutrophils, and eosinophils. CD69 is constitutively expressed by a subset of medullary mature thymocytes, platelets, mantle B cells, and certain CD4+ T cells in germinal centers of normal lymph nodes. CD69 is involved in early events of lymphocyte, monocyte, and platelet activation, and has a functional role in redirected lysis mediated by activated NK cells.

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