

PE/Cyanine5 Anti-Human CD69 Antibody[FN50]

Catalog Number: E-AB-F1138G

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

Description

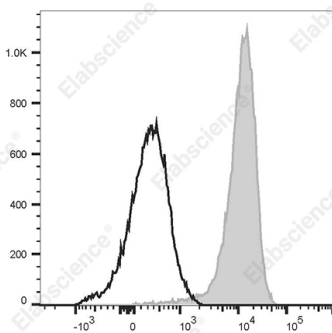
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|--------------------------------|--|
| Reactivity | Human |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Clone No. | FN50 |
| Isotype Control | PE/Cyanine5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792G] |
| Conjugation | PE/Cyanine 5 |
| Conjugation Information | PE/Cyanine5 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 670 nm (e.g., a 690/50 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |

Applications

Recommended usage

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| 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 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
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Data



PMA and ionomycin-stimulated (4h) Jurkat cells are stained with PE/Cyanine5 Anti-Human CD69 Antibody[FN50] (filled gray histogram) or PE/Cyanine5 Mouse IgG1, κ Isotype Control (empty black histogram).

Preparation & Storage

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| 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

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|------------------------|---|
| Alternate Names | AIM;Activation inducer molecule;EA1;Early activation antigen CD69;MLR-3 |
| Uniprot ID | Q07108 |

For Research Use Only

Gene ID

969

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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