

## Elab Fluor® Violet 450 Anti-Human CD69 Antibody[FN50]

Catalog Number: E-AB-F1138Q

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

### Description

|                                |                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Human                                                                                                                                                                        |
| <b>Host</b>                    | Mouse                                                                                                                                                                        |
| <b>Isotype</b>                 | Mouse IgG1, κ                                                                                                                                                                |
| <b>Clone No.</b>               | FN50                                                                                                                                                                         |
| <b>Isotype Control</b>         | Elab Fluor® Violet 450 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792Q]                                                                                         |
| <b>Conjugation</b>             | Elab Fluor® Violet 450                                                                                                                                                       |
| <b>Conjugation Information</b> | Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.                                                                                                            |

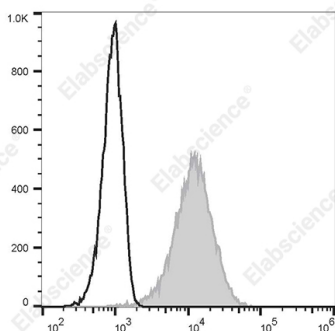
### Applications

### 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 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.

### Data



PMA and ionomycin-stimulated (4h) Jurkat cells are stained with Elab Fluor® Violet 450 Anti-Human CD69 Antibody[FN50] (filled gray histogram) or Elab Fluor® Violet 450 Mouse IgG1, κ Isotype Control (empty black histogram).

### Preparation & Storage

|                 |                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag                                                                                                                                                   |

### Antigen Information

|                        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| <b>Alternate Names</b> | AIM;Activation inducer molecule;EA1;Early activation antigen CD69;MLR-3 |
| <b>Uniprot ID</b>      | Q07108                                                                  |
| <b>Gene ID</b>         | 969                                                                     |

### For Research Use Only

## 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.