

## PE Anti-Mouse CD69 Antibody[H1.2F3]

Catalog Number: E-AB-F1187D

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

### Description

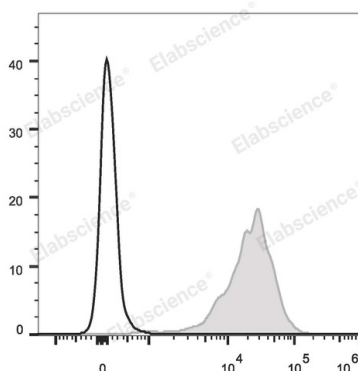
|                                |   |
|--------------------------------|---|
| <b>Reactivity</b>              | Mouse   |
| <b>Host</b>                    | Armenian Hamster  |
| <b>Isotype</b>                 | Armenian Hamster IgG  |
| <b>Clone No.</b>               | H1.2F3  |
| <b>Isotype Control</b>         | PE Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852D]   |
| <b>Conjugation</b>             | PE  |
| <b>Conjugation Information</b> | PE 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 575 nm (e.g., a 585/42 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.   |

### Applications

### Recommended usage

|            |  |
|------------|--|
| <b>FCM</b> | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
|------------|--|

### Data



Cell Stimulation Cocktail-stimulated C57BL/6 mouse splenocytes (5 h) are stained with PE Anti-Mouse CD69 Antibody (filled gray histogram). Unstained stimulated splenocytes (empty black histogram) are used as control.

### 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;CLEC2C;EA1;GP32/28;MLR-3;VEA |
| <b>Uniprot ID</b>      | P37217                           |
| <b>Gene ID</b>         | 12515                            |

### For Research Use Only

## Background

CD69 is a 60 kD type II membrane protein composed of a 27/33 kD disulfide-linked homodimer, also known as Very Early Activation Antigen (VEA), AIM, EA1, MLR3, and gp34/28. It is expressed on a subset of thymocytes and platelets. CD69 is rapidly induced on activated T and B cells, neutrophils, and NK cells. It is a C-type lectin, closely related to the NKR-P1 and Ly-49 NK cell activation molecules. CD69 is involved in the early events of cell activation and thymocyte positive selection.