

## APC Anti-Mouse/Human CD11b Antibody[M1/70]

**Catalog Number:** GFH1081E

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

### Description

|                                |                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Human;Mouse                                                                                                                                                |
| <b>Host</b>                    | Rat                                                                                                                                                        |
| <b>Isotype</b>                 | Rat IgG2b, $\kappa$                                                                                                                                        |
| <b>Clone No.</b>               | M1/70                                                                                                                                                      |
| <b>Isotype Control</b>         | APC Rat IgG2b, $\kappa$ Isotype Control[LTF-2] [Product E-AB-F09842E]                                                                                      |
| <b>Conjugation</b>             | APC                                                                                                                                                        |
| <b>Conjugation Information</b> | APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                        |

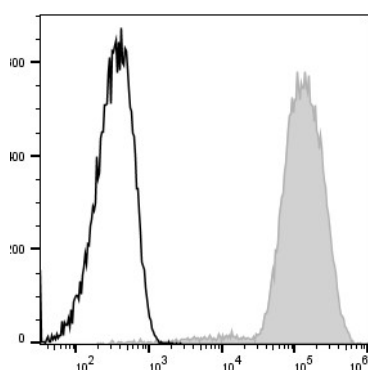
### Applications

### 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Staining of C57BL/6 murine bone marrow cells with APC Anti-Mouse/Human CD11b Antibody[M1/70] (filled gray histogram) or APC Rat IgG2b,  $\kappa$  Isotype Control (empty black histogram). Cells in the large scatter population were used for analysis.

### Preparation & Storage

|                 |                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag                                                                                                                                                   |

### Antigen Information

|                        |                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Alternate Names</b> | CD11 antigen-like family member B;CD11b;CR-3 alpha chain;Integrin alpha-M;Itgam; Leukocyte adhesion receptor MO1 |
| <b>Gene ID</b>         | 16409;3684                                                                                                       |

### For Research Use Only

## Background

CD11b is a 170 kD glycoprotein also known as  $\alpha$ M integrin, Mac-1  $\alpha$  subunit, Mol, CR3, and Ly-40. CD11b is a member of the integrin family, primarily expressed on granulocytes, monocytes/macrophages, dendritic cells, NK cells, and subsets of T and B cells. CD11b non-covalently associates with CD18 ( $\beta$ 2 integrin) to form Mac-1. Mac-1 plays an important role in cell-cell interaction by binding its ligands ICAM-1 (CD54), ICAM-2 (CD102), ICAM-4 (CD242), iC3b, and fibrinogen.