

## PE/Cyanine5.5 Anti-Human CD18 (ITGB2) Antibody[IB4]

**Catalog Number:** GFH00574I

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

### Description

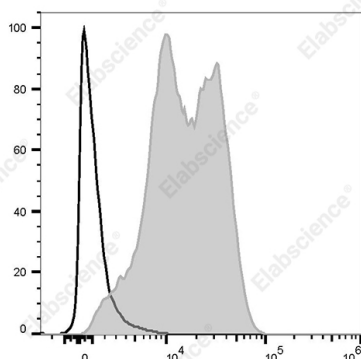
|                                |                                                                                                                                                                                                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Human                                                                                                                                                                                                        |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                        |
| <b>Isotype</b>                 | Mouse IgG2a, κ                                                                                                                                                                                               |
| <b>Clone No.</b>               | IB4                                                                                                                                                                                                          |
| <b>Isotype Control</b>         | PE/Cyanine5.5 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802I]                                                                                                                                 |
| <b>Conjugation</b>             | PE/Cyanine 5.5                                                                                                                                                                                               |
| <b>Conjugation Information</b> | PE/Cyanine5.5 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 690 nm (e.g., a 690/50 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                                                          |

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

### Data



Staining of normal human peripheral blood cells with PE/Cyanine5.5 Anti-Human CD18 (ITGB2) Antibody[IB4] (filled gray histogram) or PE/Cyanine5.5 Mouse IgG2a, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate 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> | Integrin β2 subunit;LFA-1 β subunit;β2 integrin;ITGB2 |
| <b>Uniprot ID</b>      | P05107                                                |

### For Research Use Only

**Gene ID**

3689

**Background**

CD18 is a 90-95 kD type I transmembrane protein also known as integrin  $\beta 2$  subunit, LFA-1  $\beta$  subunit, and  $\beta 2$  integrin. CD18 non-covalently associates with CD11a, CD11b or CD11c. CD18 is expressed on all leukocytes. CD18 and associated  $\alpha$  chains function in adhesion and signaling in hematopoietic cells.