

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

Catalog Number: AN00574J

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

### Description

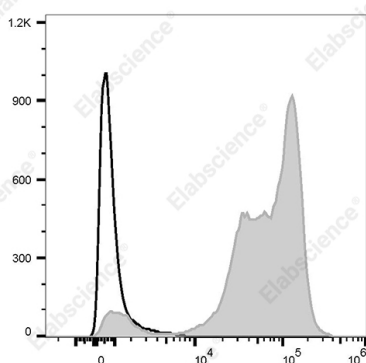
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2a, κ
<b>Clone No.</b>	IB4
<b>Isotype Control</b>	PerCP/Cyanine5.5 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802J]
<b>Conjugation</b>	PerCP/Cyanine 5.5
<b>Conjugation Information</b>	PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 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 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.
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### Data



Staining of normal human peripheral blood cells with PerCP/Cyanine5.5 Anti-Human CD18 (ITGB2) Antibody[IB4] (filled gray histogram) or PerCP/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. 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>	Integrin β2 subunit;LFA -1 β subunit;β2 integrin;ITGB2
<b>Uniprot ID</b>	P05107
<b>Gene ID</b>	3689

### For Research Use Only

## 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.