

## PerCP/Cyanine5.5 Anti-Human CD11a Antibody[38]

Catalog Number: AN00569J

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

### Description

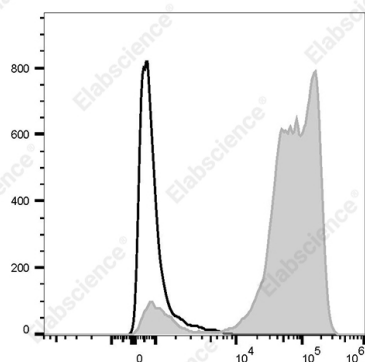
Reactivity	Human
Host	Mouse
Isotype	Mouse IgG2a, $\kappa$
Clone No.	38
Isotype Control	PerCP/Cyanine5.5 Mouse IgG2a, $\kappa$ Isotype Control[C1.18.4] [Product E-AB-F09802J]
Conjugation	PerCP/Cyanine 5.5
Conjugation Information	PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

### Applications

### Recommended usage

FCM	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



Staining of normal human peripheral blood cells with PerCP/Cyanine5.5 Anti-Human CD11a Antibody[38] (filled gray histogram) or PerCP/Cyanine5.5 Mouse IgG2a,  $\kappa$  Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

### Preparation & Storage

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

### Antigen Information

Alternate Names	LFA-1 $\alpha$ chain; Integrin $\alpha$ L subunit; $\alpha$ L Integrin; ITGAL
Uniprot ID	P20701
Gene ID	3683

### For Research Use Only

## Background

CD11a is a 170-180 kD type I transmembrane glycoprotein also known as LFA-1 $\alpha$  chain and integrin  $\alpha$ L subunit. CD11a non-covalently associates with integrin  $\beta$ 2 (CD18) to form LFA-1. It is expressed on all leukocytes, including B and T lymphocytes, monocytes, macrophages, neutrophils, basophils and eosinophils. It is absent on non-hematopoietic tissues and platelets. CD11a plays a central role in leukocyte cell-cell interactions and is important in lymphocyte costimulation. CD11a/CD18 binds to ICAM-1 (CD54), ICAM-2 (CD102), and ICAM-3 (CD50).