

## PE anti-mouse CD11a Antibody

<b>Catalog# / Size</b>	162911 / 25 µg 162912 / 100 µg
<b>Clone</b>	2D7
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	α <sub>L</sub> integrin, Lymphocyte function-associated antigen 1, LFA-1 α subunit, Ly-15, Ly-21, ITGAL
<b>Isotype</b>	Rat IgG2a, κ
<b>Description</b>	CD11a is a 180 kD glycoprotein, also known as α <sub>L</sub> integrin, LFA-1 α, Ly-15, or Ly-21. It is a member of the integrin family, primarily expressed on lymphocytes, monocytes/macrophages, and granulocytes. In association with CD18, the CD11a/CD18 complex forms LFA-1. CD11a plays an important role in intercellular adhesion and costimulation by binding its ligands, ICAM-1 (CD54), ICAM-2 (CD102), and ICAM-3 (CD50).

### Product Details

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<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
<b>Concentration</b>	0.2 mg/mL
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
<b>RRID</b>	AB_3698925 (BioLegend Cat. No. 162911) AB_3698925 (BioLegend Cat. No. 162912)

### Antigen Details

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<b>Structure</b>	Integrin, associated with integrin CD18, 180 kD
<b>Distribution</b>	Lymphocytes, granulocytes, monocytes, macrophages
<b>Function</b>	Cellular adhesion
<b>Ligand/Receptor</b>	ICAM-1 (CD54), ICAM-2 (CD102), ICAM-3 (CD50)
<b>Cell Type</b>	Granulocytes, Lymphocytes, Macrophages, Monocytes
<b>Biology Area</b>	Cell Biology, Immunology

**Molecular Family** CD Molecules

**Antigen References**

1. Barclay A, *et al.* 1997. The Leukocyte Antigen FactsBook Academic Press.
2. Springer TA. 1994. *Cell* 76:301.
3. Lub M, *et al.* 1995. *Immunol. Today* 16:479.

**Gene ID** [16408](#)

## Related Protocols

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- [Cell Surface Flow Cytometry Staining Protocol](#)

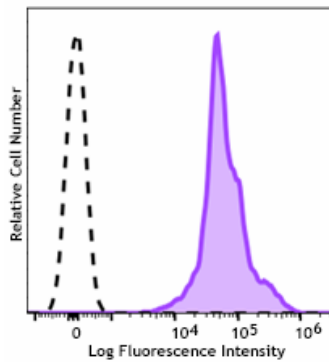
## Other Formats

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Purified anti-mouse CD11a Antibody, Alexa Fluor® 488 anti-mouse CD11a, APC/Fire™ 750 anti-mouse CD11a, PerCP/Cyanine5.5 anti-mouse CD11a, Brilliant Violet 421™ anti-mouse CD11a, PE anti-mouse CD11a Antibody, PE/Cyanine7 anti-mouse CD11a Antibody

## Product Data

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C57BL/6 mouse splenocytes were stained with anti-mouse CD11a (clone 2D7) PE (filled histogram) or rat IgG2a, κ PE isotype control (open histogram).

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