

PE/Cyanine7 anti-mouse CD11a Antibody

Catalog# / Size	162913 / 25 µg 162914 / 100 µg
Clone	2D7
Regulatory Status	RUO
Other Names	α _L integrin, Lymphocyte function-associated antigen 1, LFA-1 α subunit, Ly-15, Ly-21, ITGAL
Isotype	Rat IgG2a, κ
Description	CD11a is a 180 kD glycoprotein, also known as α _L 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

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.
Concentration	0.2 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . 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.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
RRID	AB_3683182 (BioLegend Cat. No. 162913) AB_3683182 (BioLegend Cat. No. 162914)

Antigen Details

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

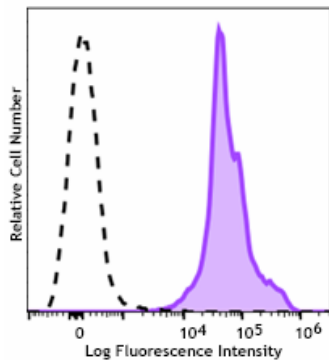
Related Protocols

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

Other Formats

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



C57BL/6 mouse splenocytes were stained with anti-mouse CD11a (clone 2D7) PE/Cyanine7 (filled histogram) or rat IgG2a, κ PE/Cyanine7 isotype control (open histogram).

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8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587