



GMP APC anti-human CD11c Antibody

Catalog# / Size 260226 / 100 tests

 Clone
 Bu15

 Workshop
 V S143

Other Names Integrin ax subunit, ITGAX, CR4, p150

Isotype Mouse IgG1, κ

Description CD11c is a 145-150 kD type I transmembrane glycoprotein also known as integrin α_X and CR4.

CD11c non-covalently associates with integrin β₂ (CD18) and is expressed on

monocytes/macrophages, dendritic cells, granulocytes, NK cells, and subsets of T and B cells. CD11c has been reported to play a role in adhesion and CTL killing through its interactions

with fibrinogen, CD54, and iC3b.

Product Details

Reactivity Human

Antibody Type Monoclonal

Host Species Mouse

Formulation Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin

USA)

Preparation The antibody was purified by affinity chromatography and conjugated with APC under optimal

conditions.

Concentration 100 µg/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

<u>analysis</u>. For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be

titrated for optimal performance for each application.

Excitation Laser Red Laser (633 nm)

Application NotesClone Bu15 has a different binding epitope than clone 3.9. The binding of Bu15 with CD11c is

divalent cation independent. Additional reported applications (for the relevant formats of this clone) include: inhibition of CD11c mediated adhesion and stimulation of chemokine production by

monocytes.

Application References

BioLegend citation)

1. Sadhu C, et al. 2008. J. Immunoass. Immunoch. 29:42.

(PubMed link indicates 2. Rezzonico R, et al. 2001. Blood 97:2932.

3. Sadhu C. et al. 2007. J. Leukoc. Biol. 81:1395.

4. Yoshino N, et al. 2000. Exp. Anim. (Tokyo) 49:97. (FC)

Disclaimer

GMP RUO Flow Cytometry Antibodies. BioLegend GMP RUO fluorophore conjugated antibodies are manufactured in a dedicated GMP facility and compliant with ISO 13485:2016. For research use only. Not for use in diagnostic or therapeutic procedures. Our processes include:

- · Batch-to-batch consistency
- Material traceability
- Documented procedures
- Documented employee training
- Equipment maintenance and monitoring records
- Lot-specific certificates of analysis
- Quality audits per ISO 13485:2016

Antigen Details

Structure Integrin, type I transmembrane glycoprotein, associates with integrin β₂ (CD18), 145-150 kD

Distribution Myeloid, dendritic cells, NK cells, B cells and T cell subsets

Function Adhesion, CTL killing Ligand Receptor: CD54, fibrinogen, iC3b, ICAM-1, ICAM-4 Antigen

Cell Type B cells, Dendritic cells, Neutrophils, NK cells, T cells

Biology Area Cell Biology, Costimulatory Molecules, Immunology, Neuroscience, Neuroscience Cell Markers

Molecular Family Adhesion Molecules, CD Molecules

Antigen References 1. Petty H. 1996. Immunol. Today 17:209.

2. Springer T. 1994. Cell 76:301.

3. Ihanus E, et al. 2007. Blood 109:802-810.

Gene ID <u>3687</u>

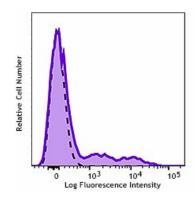
Related Protocols

Cell Surface Flow Cytometry Staining Protocol

Other Formats

APC/Cyanine7 anti-human CD11c, Purified anti-human CD11c, PE anti-human CD11c, APC anti-human CD11c, PerCP/Cyanine5.5 anti-human CD11c, Pacific Blue™ anti-human CD11c, FITC anti-human CD11c, PE/Cyanine7 anti-human CD11c, Alexa Fluor® 700 anti-human CD11c, Purified anti-human CD11c (Maxpar® Ready), Brilliant Violet 421™ anti-human CD11c, PE/Dazzle™ 594 anti-human CD11c, Biotin anti-human CD11c, Alexa Fluor® 647 anti-human CD11c, PerCP anti-human CD11c, Alexa Fluor® 488 anti-human CD11c, Brilliant Violet 650™ anti-human CD11c, APC/Fire™ 750 anti-human CD11c, GMP PE anti-human CD11c

Product Data



Typical results from human peripheral blood lymphocytes stained either with Bu15 APC used at 5 µL/test (Filled histogram) or with an isotype control (dashed histogram)

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