

FITC anti-human CD11c

Catalog # / Size: 2286070 / 100 tests
2286065 / 25 tests

Clone: Bu15

Isotype: Mouse IgG1, κ

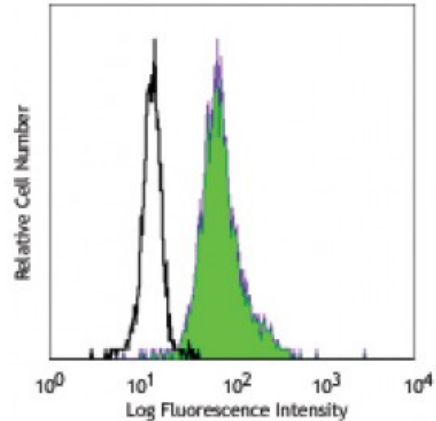
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.

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

Workshop Number: V S143

Concentration: Lot-specific



Human peripheral blood monocytes stained with BU15 FITC.

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Clone 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:**
1. Sadhu C, *et al.* 2008. *J. Immunoass. Immunoch.* 29:42.
 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)

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 β_2 (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.

- 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.