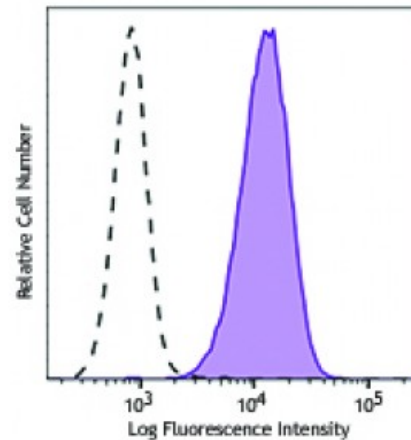


PE/Cy7 anti-human CD11c

Catalog # / Size:	2457540 / 100 tests 2457535 / 25 tests
Clone:	S-HCL-3
Isotype:	Mouse IgG2b, κ
Immunogen:	Spleen cells from patient diagnosed with hairy cell leukemia.
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific



Human peripheral blood granulocytes were stained with CD11c (clone S-HCL-3) PE/Cy7 (filled histogram) or mouse IgG2b, κ PE/Cy7 isotype control (open histogram).

Applications:

Applications:	Flow Cytometry
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 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	Additional reported applications (for the relevant formats) include: immunohistochemistry on frozen tissue sections ^{1,2,3,4} and immunoprecipitation ¹ .
Application References:	1. Schwarting R, <i>et al.</i> 1985. <i>Blood</i> 65:974. 2. Knowles DM, <i>et al.</i> 1990. <i>Am. J. Pathol.</i> 136:29. 3. Vandenabeele S, <i>et al.</i> 2001. <i>Blood</i> 97:1733. 4. Shaw JL, <i>et al.</i> 2011. <i>J. Reprod. Immunol.</i> 89:84.

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 HR, Todd RF 3rd. 1996. *Immunol. Today* 17:209.
2. Springer T. 1994. *Cell* 76:301.
3. Ihanus E, *et al.* 2007. *Blood* 109:802-10.