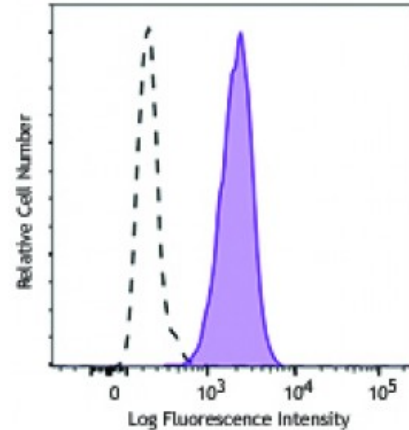


**APC anti-human CD11c**

<b>Catalog # / Size:</b>	2457530 / 100 tests 2457525 / 25 tests
<b>Clone:</b>	S-HCL-3
<b>Isotype:</b>	Mouse IgG2b, $\kappa$
<b>Immunogen:</b>	Spleen cells from patient diagnosed with hairy cell leukemia.
<b>Reactivity:</b>	Human
<b>Preparation:</b>	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
<b>Concentration:</b>	Lot-specific



Human peripheral blood granulocytes were stained with CD11c (clone S-HCL-3) APC (filled histogram) or mouse IgG2b,  $\kappa$  APC isotype control (open histogram).

**Applications:**

<b>Applications:</b>	Flow Cytometry
<b>Recommended Usage:</b>	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.
<b>Application Notes:</b>	Additional reported applications (for the relevant formats) include: immunohistochemistry on frozen tissue sections <sup>1,2,3,4</sup> and immunoprecipitation <sup>1</sup> .
<b>Application References:</b>	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.

<b>Description:</b>	CD11c is a 145-150 kD type I transmembrane glycoprotein also known as integrin $\alpha_x$ and CR4. CD11c non-covalently associates with integrin $\beta_2$ (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.
<b>Antigen References:</b>	1. Petty HR, Todd RF 3rd. 1996. <i>Immunol. Today</i> 17:209. 2. Springer T. 1994. <i>Cell</i> 76:301. 3. Ihanus E, <i>et al.</i> 2007. <i>Blood</i> 109:802-10.