SONY

Product Data Sheet

Brilliant Violet 421™ anti-human CD11c

Catalog # / Size: 2457560 / 100 tests
2457555 / 25 tests

Clone: S-HCL-3

Isotype: Mouse IgG2b, κ

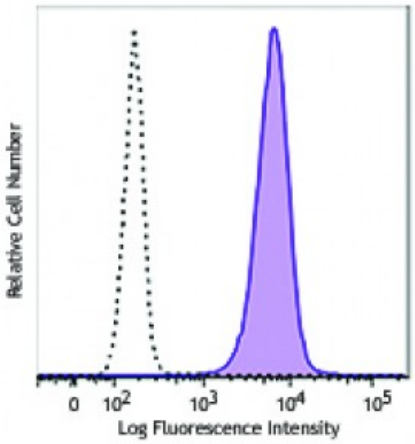
Immunogen: Spleen cells from patient diagnosed with hairy cell leukemia.

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421™ and unconjugated antibody.

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

Concentration: Lot-specific



Human peripheral blood granulocytes were stained with CD11c (clone S-HCL-3) Brilliant Violet 421™ (filled histogram) or mouse IgG2b, κ Brilliant Violet 421™ isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Ã¯Â»Â¿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.

Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.

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Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemistry on frozen tissue sections[1,2,3,4] and immunoprecipitation1.

Application References:

1. Schwarting R, *et al.* 1985. *Blood* 65:974.
2. Knowles DM, *et al.* 1990. *Am. J. Pathol.* 136:29.
3. Vandenabeele S, *et al.* 2001. *Blood* 97:1733.
4. Shaw JL, *et al.* 2011. *J. Reprod. Immunol.* 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.