SONY

Product Data Sheet

Pacific Blue™ anti-mouse CD11a/CD18 (LFA-1)

Catalog # / Size: 1305065 / 25 µg
1305070 / 100 µg

Clone: H155-78

Isotype: Rat IgG1, κ

Immunogen: T_H-derived anti-I-A^k CTL clone A1 5.1.17

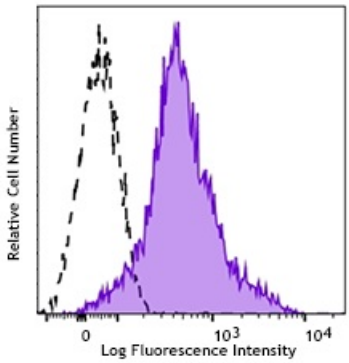
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Pacific Blue™ under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Workshop Number: 750 under optimal conditions.

Concentration: 0.5



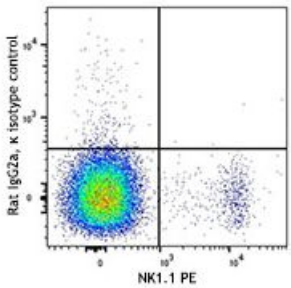
C57BL/6 mouse splenocytes were stained with CD11a/CD18 (LFA-1) (clone H155-78) Pacific Blue™ (filled histogram) or rat IgG1, κ Pacific Blue™ isotype control (open histogram).

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 ≤ 0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Pacific Blue™ has a maximum emission of 455 nm when it is excited at 405 nm. Prior to using Pacific Blue™ conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.



C57BL/6 mouse bone marrow cells were stained with CD150 (SLAM) (clone TC15-12F12.2) APC/Fire™ 750 (filled histogram) or rat IgG2a, κ APC/Fire™ 750 isotype control (open histogram).

Application Notes: This clone is reported to have some effect on increasing LFA-1-mediated adhesion and does not block LFA-1 binding[1].

Application References:

1. Pont S, *et al.* 1986. *J. Immunol.* 136:3750. (FC)

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Description: Lymphocyte function-associated antigen 1 or LFA-1 is a heterodimer composed of two members of the integrin family, α_L (CD11a) and β2 (CD18).

LFA-1 is expressed primarily on lymphocytes, monocytes/macrophages, and granulocytes. It is involved in cell adhesion and costimulation processes. The ligands for LFA-1 are ICAM-1 (CD54), ICAM-2 (CD102), and ICAM-3 (CD50).

Antigen References:

1. Dugger KJ, *et al.* 2009. *J. Neuroimmunol.* 206:22.
2. Barclay A, *et al.* 1997. *The Leukocyte Antigen Facts Book* Academic Press.
3. Springer TA. 1994. *Cell* 76:301.
4. Lub M, *et al.* 1995. *Immunol. Today* 16:479.

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