Product Data Sheet

FITC anti-human CD11a

Catalog # / Size:	2106030 / 100 tests
Clone:	HI111
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:	IV N231
Concentration:	NULL



Human peripheral blood lymphocytes stained with HI111 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 HI111 epitope maps to the top region of the I domain that is close to the putative ligand-binding site surrounding the MIDAS (metal ion-dependent adhesion site). HI111 is specific for the closed confirmation of the integrin. ⁸ Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen sections, Western blotting2, and blocking of cell-cell interaction and inhibition the binding of ICAM-14. This clone was tested in-house and does not work on formalin fixed paraffinembedded (FFPE) tissue. The LEAF [™] purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 301214).
Application References:	 Knapp W, <i>et al.</i> 1989. Leucocyte Typing IV. Oxford University Press New York. Leite F, <i>et al.</i> 2002. <i>Infec. Immun.</i> 70:4336. Jiang Y, <i>et al.</i> 2005. <i>Clin. Hemorheol. Microcircul.</i> 32:261. Béchard D, <i>et al.</i> 2001. <i>J. Immunol.</i> 167:3099. Sithu SD, <i>et al.</i> 2007. <i>J. Biol. Chem.</i> doi:10.1074/jbc.M611273200. Choi EY, <i>et al.</i> 2008. <i>Blood</i> 111:3607. <u>PubMed</u> Yoshino N, <i>et al.</i> 2000. <i>Exp. Anim. (Tokyo)</i> 49:97. (FC) Ma Q, <i>et al.</i> 2002. <i>J. Biol. Chem.</i> 277:10638.

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products. Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com in leukocyte cell-cell interactions and is important in lymphocyte costimulation. CD11a/CD18 binds to ICAM-1 (CD54), ICAM-2 (CD102), and ICAM-3 (CD50).

 Antigen
 1. Lub M, et al. 1995. Immunol. Today 16:479.

 References:
 2. Parsons J. 1996. Curr. Opin. Cell Biol. 8:146.

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