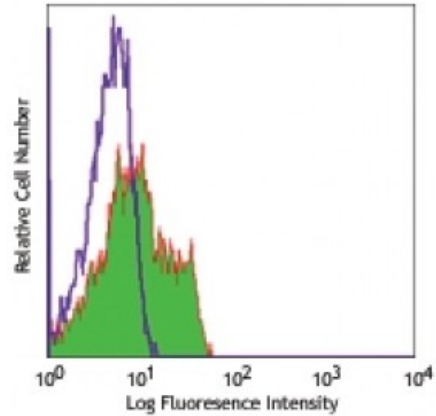


Alexa Fluor® 488 anti-human CD150 (SLAM)

Catalog # / Size: 2131560 / 100 tests
Clone: A12 (7D4)
Isotype: Mouse IgG1, κ
Immunogen: Activated human PBMC
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration: NULL



Human peripheral blood lymphocytes stained with A12 Alexa Fluor® 488

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.

* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen tissue sections, immunoprecipitation⁴, and costimulation^{1,5} of IFN-gamma production and T cell proliferation. The LEAF™ purified antibody (Endotoxin <0.1 EU/μg, Azide-Free, 0.2 μm filtered) is recommended for functional assays (Cat. No. 306310).

Application References:

1. Garcia V, et al. 2001. *J. Immunol.* 167:5719. (Costim)
2. Vincent S, et al. 2002. *J. Virol.* 76:6121.
3. Cocks B, et al. 1995. *Nature* 376:260.
4. Sayos J, et al. 2001. *Blood* 97:3867. (IP)
5. Aversa G, et al. 1997. *J. Immunol.* 158:4036. (Costim)
6. Spencer M, et al. 2010. *Am. J. Physiol Endocrinol Metab.* 299:1016. [PubMed](#)

Description: CD150 is a 70-95 kD type I transmembrane glycoprotein also known as SLAM or IPO-3. It is a member of the Ig superfamily. It is expressed on a subset of T cells, B cells, dendritic cells, and endothelial cells. The expression of CD150 is upregulated upon activation. CD150 binds to itself as the ligand to be involved in B cell costimulation, proliferation, immunoglobulin production, and signal transduction.

Antigen References:

1. Cocks B, et al. 1995. *Nature* 376:260.
2. Pinchouk V, et al. 1988. *AntiCancer Res.* 8:1377.
3. Polacino P, et al. 1996. *J. Med. Primatol.* 25:201.
4. Punnonen J, et al. 19

