SONY

Product Data Sheet

Alexa Fluor® 488 anti-human CD150 (SLAM)

Catalog # / Size: 2131560 / 100 tests

Clone: A12 (7D4)

Isotype: Mouse IgG1, κ

Immunogen: Activated human PBMC

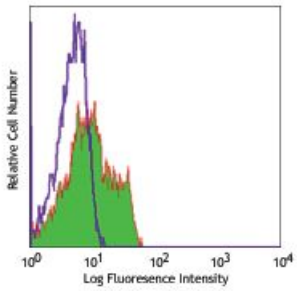
Reactivity: Human, Non-human primate, Other

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 BSA (origin USA).

Workshop Number: VI B051

Concentration: NULL



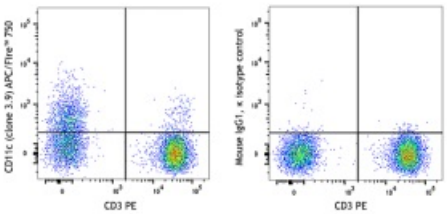
Human peripheral blood lymphocytes stained with A12 Alexa Fluor® 488

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 µl per million cells or 5 µl per 100 µl 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).

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.

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.* 1997. *J. Exp. Med.* 185:993.

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.