

## PE anti-human CD150 (SLAM)

**Catalog # / Size:** 306307 / 25 tests  
306308 / 100 tests

**Clone:** A12 (7D4)

**Isotype:** Mouse IgG1,  $\kappa$

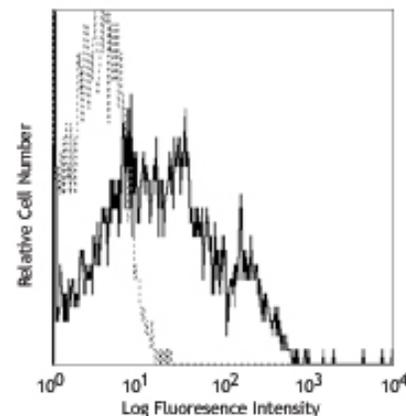
**Immunogen:** Activated human PBMC

**Reactivity:** Human, **Cross-Reactivity:** Baboon, Cynomolgus, Rhesus

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with A12 PE

## Applications:

**Applications:** FC - Quality tested

**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  $\mu$ l to 5  $\mu$ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100  $\mu$ l staining volume or per 100  $\mu$ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at [www.biolegend.com/testsize](http://www.biolegend.com/testsize) regarding the test size change.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen tissue sections, immunoprecipitation<sup>4</sup>, and costimulation<sup>1,5</sup> of IFN-gamma production and T cell proliferation. The LEAF™ purified antibody (Endotoxin <0.1 EU/ $\mu$ g, Azide-Free, 0.2  $\mu$ m filtered) is recommended for functional assays (Cat. No. 306310).

**Application References:**

- Garcia V, et al. 2001. *J. Immunol.* 167:5719. (Costim)
- Vincent S, et al. 2002. *J. Virol.* 76:6121.
- Cocks B, et al. 1995. *Nature* 376:260.
- Sayos J, et al. 2001. *Blood* 97:3867. (IP)
- Aversa G, et al. 1997. *J. Immunol.* 158:4036. (Costim)
- 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:**

- Cocks B, et al. 1995. *Nature* 376:260.
- Pinchouk V, et al. 1988. *AntiCancer Res.* 8:1377.
- Polacino P, et al. 1996. *J. Med. Primatol.* 25:201.
- Punnonen J, et al. 1997. *J. Exp. Med.* 185:993.

### Related Products:

|   |              |                    |
|---|--------------|--------------------|
| <b>Product</b>                                      | <b>Clone</b> | <b>Application</b> |
| PE Mouse IgG1, $\kappa$ Isotype Ctrl                | MOPC-21      | FC, ICFC           |
| Cell Staining Buffer                                |              | FC, ICC, ICFC      |
| RBC Lysis Buffer (10X)                              |              | FC, ICFC           |
| Human TruStain FcX™ (Fc Receptor Blocking Solution) |              | FC, ICC, ICFC      |



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biolegend.com/ordering#license](http://www.biolegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.