

Product Data Sheet

Biotin anti-human CD150 (SLAM)

Catalog # / Size: 306304 / 100 µg

Clone: A12 (7D4)

Isotype: Mouse IgG1, κ

Immunogen: Activated human PBMC

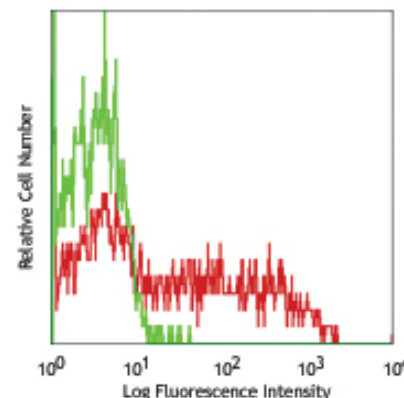
Reactivity: Human, **Cross-Reactivity:** Baboon, Cynomolgus, Rhesus

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

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

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



Human peripheral blood lymphocytes stained with biotinylated A12, followed by Sav-PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.5 µg per 10⁶ cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

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

Related Products:

Product
 Biotin Mouse IgG1, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
 MOPC-21

Application
 FC, ICFC
 FC, ICC, ICFC
 FC, ICFC
 FC, ICC, ICFC



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