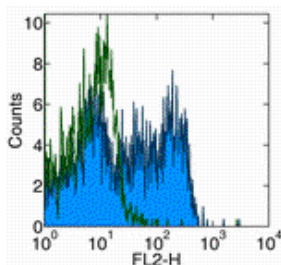


## Anti-Human CD150 Functional Grade Purified

Catalog Number: 16-1509

Also Known As: SLAM, IPO-3, IPO3, SLAMF1

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD150 PE. Appropriate isotype controls were used (open histogram). Cells in the lymphocyte population were used for analysis.

### Product Information

**Contents:** Anti-Human CD150 Functional Grade Purified

**REF** **Catalog Number:** 16-1509

**Clone:** A12 (7D4)

**Concentration:** 1 mg/mL

**Host/Isotype:** Mouse IgG1, kappa

**HLDA Workshop:** N/A

**Handling Conditions:** Use in sterile environment.

**Endotoxin Level:** Less than 0.001 ng/ug antibody, as determined by the LAL assay.

**Formulation:** aqueous buffer, no sodium azide



**Temperature Limitation:** Store at 2-8°C.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial

### Description

The A12 monoclonal antibody reacts with human CD150, an ~70 kDa transmembrane glycoprotein also known as Signaling Lymphocyte Activation Molecule (SLAM). CD150 is expressed by T and B cells and its expression is rapidly upregulated on these cells upon activation. Immature thymocytes and dendritic cells also express this antigen. Signaling through SLAM induces proliferation and cytokine production of T cells and SLAM plays a role in activation of T and B cells.

### Applications Reported

This A12 (7D4) antibody has been reported for use in flow cytometric analysis. A12 has also been reported in *in vitro* functional studies.

### Applications Tested

The A12 (7D4) antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Cocks BG, Chang CC, Carballido JM, Yssel H, de Vries JE, Aversa G. A novel receptor involved in T-cell activation. *Nature*. 1995 Jul 20;376(6537):260-3. (A12, FA)

### Related Products

11-4011 Anti-Mouse IgG FITC

16-4714 Mouse IgG1 K Isotype Control Functional Grade Purified (P3.6.2.1)

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