

## APC anti-mouse CD150 (SLAM) Antibody

<b>Catalog# / Size</b>	162603 / 25 µg 162604 / 100 µg
<b>Clone</b>	W19132B
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	SignalingLymphocyte Activation Molecule (SLAM), IPO-3
<b>Isotype</b>	Rat IgG2a, λ
<b>Description</b>	CD150 is a 75-95 kD member of the immunoglobulin superfamily, also known as SLAM (signaling lymphocyte activation molecule) or IPO-3. CD150, a single chain type I transmembrane molecule, is expressed on thymocytes, T cell subsets, B cells, dendritic cells, and endothelial cells. The expression is upregulated upon activation. CD150 expression has been shown to be maintained on Th1 but not Th2 clones. T regulatory cells express a relatively high level of CD150. Antibodies against CD150 have been shown to augment IFN-γ production by Th1 cells, especially when co-stimulated through the TCR. CD150 associates with the src homology 2-domain-containing protein tyrosine phosphatase SHP-2, and this association is thought to be involved in signal transduction. In combination with CD48, CD150 is a useful marker for hematopoietic stem cell studies.

### Product Details

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<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	RBL1 transfectant (1-287a.a)
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
<b>Concentration</b>	0.2 mg/mL
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is ≤ 1.0 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Red Laser (633 nm)
<b>RRID</b>	AB_2910343 (BioLegend Cat. No. 162603) AB_2910343 (BioLegend Cat. No. 162604)

### Antigen Details

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<b>Structure</b>	Ig superfamily, 75-95 kD
<b>Distribution</b>	Thymocytes, T cell subset, B lymphocytes, dendritic cells, endothelial cells
<b>Function</b>	B cell and dendritic cell costimulation

**Ligand/Receptor** CD150

**Antigen References**

1. Punnonen J, *et al.* 1997. *J. Exp. Med.* 185:993.
2. Gordiienko I, *et al.* 2019. *Clin Immunol.* 204:14-22
3. Kiel M, *et al.* 2005. *Cell.* 121(7):1109-21

**Gene ID** [27218](#)

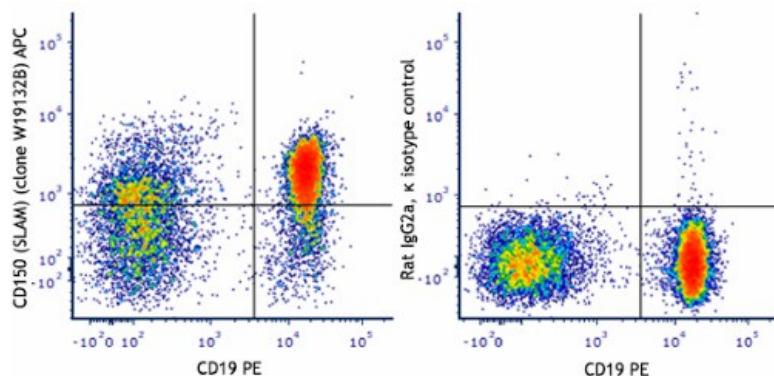
## Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

Purified anti-mouse CD150 (SLAM) Antibody, APC anti-mouse CD150 (SLAM), PE anti-mouse CD150 (SLAM)

## Product Data



C57BL/6 mouse splenocytes were stained with anti-mouse CD19 PE and anti-mouse CD150 (SLAM) (clone W19132B) APC (left) or rat IgG2a, κ APC isotype control (right).

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