

Purified anti-mouse CD150 (SLAM) Antibody

Catalog# / Size	162602 / 100 µg
Clone	W19132B
Regulatory Status	RUO
Other Names	SignalingLymphocyte Activation Molecule (SLAM), IPO-3
Isotype	Rat IgG2a, λ
Description	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

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	RBL1 transfectant (1-287a.a)
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography.
Concentration	0.5 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
Application	FC - Quality tested
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 ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
RRID	AB_2894667 (BioLegend Cat. No. 162602)

Antigen Details

Structure	Ig superfamily, 75-95 kD
Distribution	Thymocytes, T cell subset, B lymphocytes, dendritic cells, endothelial cells
Function	B cell and dendritic cell costimulation
Ligand/Receptor	CD150
Antigen References	1. Punnonen J, <i>et al.</i> 1997. <i>J. Exp. Med.</i> 185:993. 2. Gordiienko I, <i>et al.</i> 2019. <i>Clin Immunol.</i> 204:14-22 3. Kiel M, <i>et al.</i> 2005. <i>Cell.</i> 121(7):1109-21
Gene ID	27218

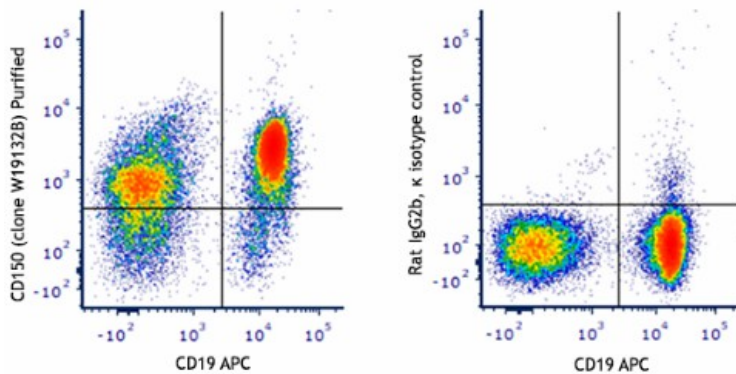
Related Protocols

[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 APC and purified anti-mouse CD150 (SLAM) (clone W19132B) (left) or rat IgG2a, κ isotype control (right), followed by anti-rat IgG PE.

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