

Datasheet for ABIN1027681

anti-SLAMF1 antibody[2 Images](#)[2 Publications](#)[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	SLAMF1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Human CD150-transfected 300.19 cells
Clone:	SLAM-4
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody SLAM.4 recognizes an extracellular epitope of CD150, a cell surface molecule expressed on lymphocytes and involved in their activation.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	SLAMF1
Alternative Name:	CD150 (SLAMF1 Products)

Target Details

Background: Signaling lymphocytic activation molecule family m,CD150, also known as SLAM (signaling lymphocyte activation molecule) is a 70-95 kDa single chain transmembrane phosphoglycoprotein of the CD2 family. Its extracellular part contains eight potential N-glycosylation sites, and the intracellular tail contains three unique tyrosine-based motifs. These binding sites can be recognized by SH2-binding phosphatases and the adaptor proteins, such as SAP/SH2D1A or EAT-2. The SLAM family receptors are involved in leucocyte activation and contribute to the effective germinal center formation, generation of high-affinity antibody-secreting plasma cells, and memory T and B cells, thereby facilitating long-term immune response. CD150 expression is upregulated after cell activation.,SLAM, SLAMF1

Gene ID: 6504

UniProt: [Q13291](#)

Application Details

Application Notes: Flow cytometry: Recommended dilution: 1-5 µg/mL.

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

Buffer: Phosphate buffered saline (PBS), pH 7.4

Preservative: Azide free

Handling Advice: **Do not freeze.**

Storage: 4 °C

Storage Comment: Store at 2-8°C. Do not freeze.

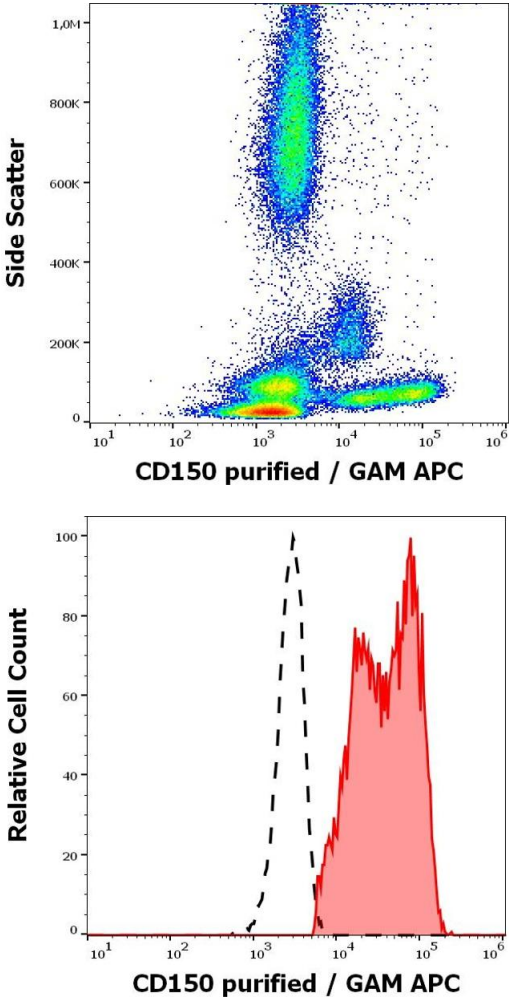
Publications

Product cited in: Romero, Zapater, Calvo, Kalko, de la Fuente, Tovar, Ockeloen, Pizcueta, Engel: "CD229 (Ly9) lymphocyte cell surface receptor interacts homophilically through its N-terminal domain and relocalizes to the immunological synapse." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 174, Issue 11, pp. 7033-42, (2005) ([PubMed](#)).

Romero, Benítez, March, Vilella, Miralpeix, Engel: "Differential expression of SAP and EAT-2-binding leukocyte cell-surface molecules CD84, CD150 (SLAM), CD229 (Ly9) and CD244 (2B4)."

in: **Tissue antigens**, Vol. 64, Issue 2, pp. 132-44, (2004) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD150 (SLAM.4) purified antibody (concentration in sample 5 μ g/mL, GAM APC).

Flow Cytometry

Image 2. Separation of human CD150 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD150 (SLAM.4) purified antibody (concentration in sample 5 μ g/mL, GAM APC).