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## Datasheet for ABIN2749109 anti-SLAMF1 antibody (PE)

1 Image

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### Overview

Quantity:	100 tests
Target:	SLAMF1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SLAMF1 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	Human CD150-transfected 300.19 cells
Clone:	SLAM-4
lsotype:	lgG1
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 antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## Target Details

Target:

SLAMF1

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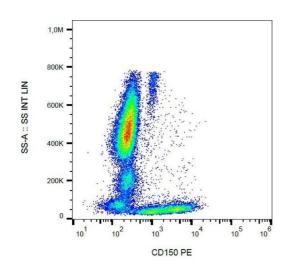
Target Details	
Alternative Name:	CD150 (SLAMF1 Products)
Background:	Signaling lymphocytic activation molecule family m,CD150, also known as SLAM (signaling lymphocyte activation molecule) is a 70-95 kDa single chain transmembrane phosphoglycoprotein of the CD2 family. Its extracellular part contains 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
Gene ID:	response. CD150 expression is upregulated after cell activation.,SLAM, SLAMF1 6504
UniProt:	Q13291
Application Details	
Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 $\mu$ L reagent / 100 $\mu$ L of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only
Handling	
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

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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-2binding 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.** Surface staining of CD150 in human peripheral blood with anti-CD150 (SLAM.4) PE.