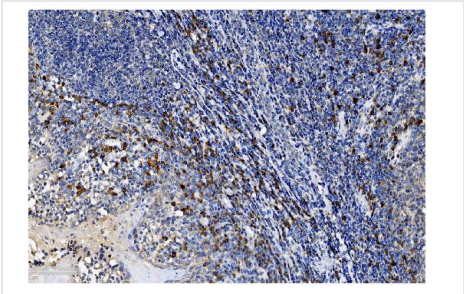
SLAM/CD150/SLAMF1 (SLAMF1) Antibody – Rabbit Polyclonal

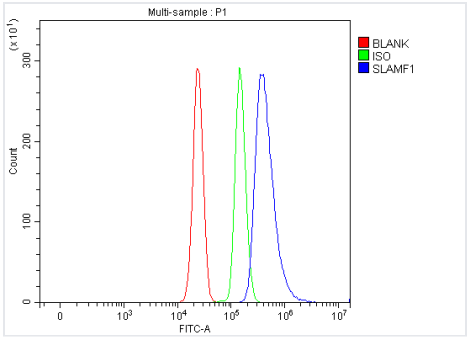
PRODUCT OVERVIEW

Product Name	SLAM/CD150/SLAMF1, Polyclonal Antibody
Full Product Name	Anti-SLAM/CD150/SLAMF1 Antibody Picoband
Product Gene Name	anti-SLAMF1 antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Purity/Purification	Immunogen affinity purified.
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (lot specific)
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.
Molecular Weight	335
OMIM	603492
3D Structure	ModBase 3D Structure for Q13291
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human SLAM/CD150/SLAMF1 recombinant protein (Position: K34-N213).
Product Categories/Family for anti-SLAMF1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-SLAMF1 antibody	Immunohistochemistry (IHC), Flow Cytometry (FC/FACS), ELISA (EIA)
Application Notes for anti-SLAMF1 antibody	IHC-P: 2-5 ug/ml, Human FC/FACS: 1-3 ug/1x10^6 cells, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (#MBS176453) for IHC(P).
Related Product Information for anti-SLAMF1 antibody	Signaling lymphocytic activation molecule 1 is a protein that in humans is encoded by the SLAMF1 gene. SLAMF1 Antibody: The signaling lymphocyte-activation molecule family member 1 (SLAMF1) is a novel receptor on T cells that potentiates T cell expansion in a CD28-independent manner. SLAMF1 is predominantly expressed by hematopoietic tissues. Reports suggest that the extracellular domain of SLAMF1 is the receptor for the measles virus and acts as a co-activator on both T and B cells. It is thought to interact with SH2D1A and with PTPN11 via its cytoplasmic domain. Mutations of the SLAM associated gene may be associated with X-linked lympho-proliferative disease (XLP).
Other Notes	Small volumes of anti-SLAMF1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for SLAMF1 purchase	MBS1755300 is an antibody targeting SLAMF1. Also known as Anti-SLAM/CD150/SLAMF1 Antibody Picoband. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-SLAMF1 antibody
Figure 1. IHC analysis of SLAM/CD150/SLAMF1 using anti-SLAM/CD150/SLAMF1 antibody (MBS1755300).SLAM/CD150/SLAMF1 was detected in a paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SLAM/CD150/SLAMF1 Antibody (MBS1755300) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



Flow Cytometry (FC/FACS) of anti-SLAMF1 antibody
Figure 2. Flow Cytometry analysis of U937 cells using anti-SLAM/CD150/SLAMF1 antibody (MBS1755300).Overlay histogram showing U937 cells stained with MBS1755300 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SLAM/CD150/SLAMF1 Antibody (MBS1755300, 1 ug/1x10^6 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG (MBS177405, 5-10 ug/1x10^6 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLAMF1. It may not necessarily be applicable to this product.

NCBI GI #	9297047
NCBI GeneID	6504
NCBI Accession #	Q13291.1
UniProt Primary Accession #	Q13291
UniProt Secondary Accession #	Q5W172; Q9HBE8
UniProt Related Accession #	Q13291
NCBI Official Full Name	Signaling lymphocytic activation molecule
NCBI Official Synonym Full Names	signaling lymphocytic activation molecule family member 1
NCBI Official Symbol	SLAMF1
NCBI Official Synonym Symbols	SLAM; CD150; CDw150
UniProt Protein Name	Signaling lymphocytic activation molecule
UniProt Synonym Protein Names	CDw150; IPO-3; CD_antigen: CD150
Protein Family	Signaling lymphocytic activation molecule
UniProt Gene Name	SLAMF1
UniProt Synonym Gene Names	SLAM
UniProt Entry Name	SLAF1_HUMAN
NCBI Protein Information	signaling lymphocytic activation molecule; IPO-3

UniProt Comments for SLAMF1	SLAM: a type I membrane protein present on the surface of B cells, T cells and CD83+ dendritic cells. A high-affinity self-ligand considered to be important in bidirectional T <-> B-cell stimulation. SLAM-induced signal-transduction events in T lymphocytes are different from those in B cells. Two modes of SLAM signaling are likely to exist: one in which the inhibitor SH2D1A (SAP) acts as a negative regulator and another in which protein-tyrosine phosphatase 2C (SHP-2)-dependent signal transduction operates. Its cytoplasmic domain interacts with SAP through part of its SH2 domain, and with SHP-2. Three alternatively spliced isoforms have been described. Protein type: Receptor, misc.; Membrane protein, integral Chromosomal Location of Human Ortholog: 1q23.3 Cellular Component: integral to membrane; phagocytic vesicle; external side of plasma membrane Molecular Function: protein binding; transmembrane receptor activity; antigen binding Biological Process: viral reproduction; regulation of catalytic activity; positive regulation of cell proliferation; regulation of vesicle fusion; lymphocyte activation; signal transduction
Research Articles on SLAMF1	**1.** Signaling lymphocytic activation molecule (SLAM)/SLAM-associated protein pathway regulates human B-cell tolerance.
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