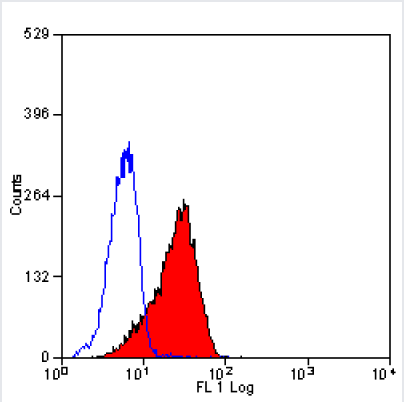
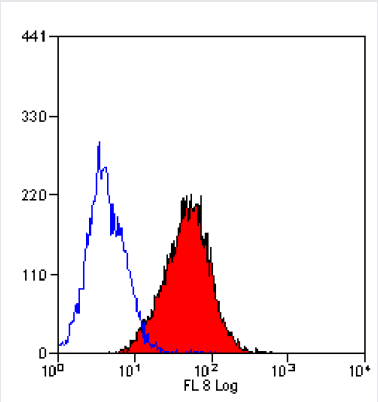
CD150 Antibody – Rat Monoclonal

PRODUCT OVERVIEW

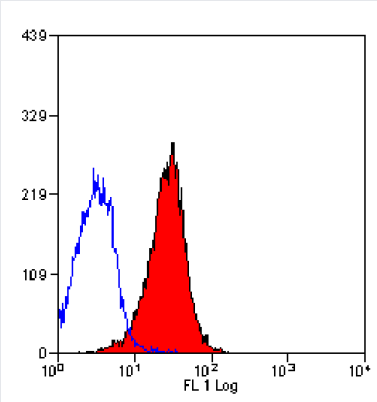
Product Name	CD150, Monoclonal Antibody
Full Product Name	RAT ANTI MOUSE CD150:RPE
Product Gene Name	anti-CD150 antibody
Clonality	Monoclonal
Isotype	IgG1
Clone Number	9D1
Host	Rat
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Preparation and Storage	Prior to reconstitution store at 4 degree C. Following reconstitution store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of reconstitution.
Molecular Weight	36,590 Da
3D Structure	ModBase 3D Structure for Q9QUM4
Reconstitution	Reconstitute with 1 ml distilled water Perservative Stabilisers||0.09% Sodium Azide 1% Bovine Serum Albumin 5% Sucrose Preparation||Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Immunogen	CHO cells stably transfected with mouse CD150 Fusion Partners||Spleen cells from immunised rats were fused with cells of a myeloma cell line. Buffer Solution||Phosphate buffered saline
Target Species	Mouse
Applications Tested/Suitable for anti-CD150 antibody	Flow cytometry (FC/FACS)
Application Notes for anti-CD150 antibody	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. **Flow Cytometry:** Maximum Dilution: Neat
Related Product Information for anti-CD150 antibody	Rat anti Mouse CD150 antibody, clone 9D1 recognizes murine CD150, also known as signalling lymphocyte activation molecule (SLAM). Murine CD150 is a 75kDa cell surface glycoprotein that is expressed on T-cells and B-cells, and has been shown to be upregulated on activated T-cells and stimulated macrophages. Reports suggest that the extracellular domain of CD150 is the receptor for the measles virus and acts as a co-activator on T-cells and B-cells. Rat anti Mouse CD150 antibody, clone 9D1 is reported to have functional activity (Howie et al. 2002).
Other Notes	Small volumes of anti-CD150 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 CD150 purchase	MBS213767 is an antibody targeting CD150. Also known as RAT ANTI MOUSE CD150:RPE. Host: Rat.



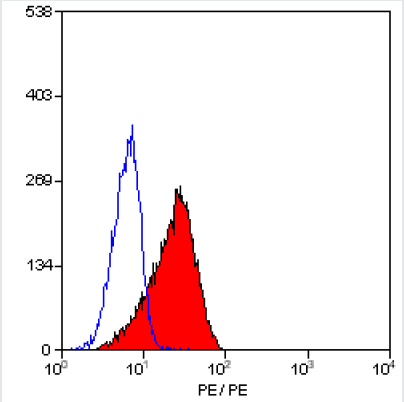
Testing Data of anti-CD150 antibody
Staining of mouse thymus with Rat anti Mouse CD150 (MBS212638)



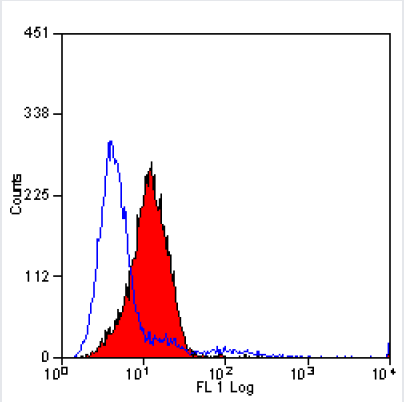
Testing Data of anti-CD150 antibody
Staining of mouse thymus cells with Rat anti Mouse CD150:Alexa Fluor 647 (MBS212637A647)



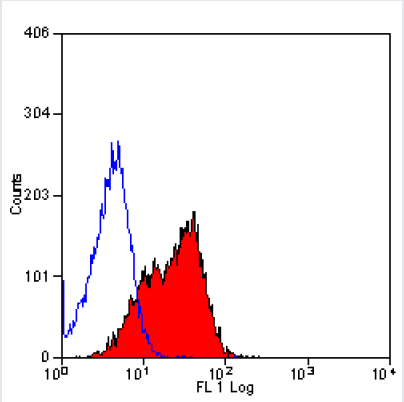
Testing Data of anti-CD150 antibody
Staining of mouse thymus cells with Rat anti Mouse CD150: Alexa Fluor 488 (MBS212637A488)



Testing Data of anti-CD150 antibody
Staining of mouse thymus cells with Rat anti Mouse CD150 (MBS212637)



Testing Data of anti-CD150 antibody
Staining of mouse thymus with Rat anti Mouse CD150: Azide Free (MBS210236)



Testing Data of anti-CD150 antibody
Staining of mouse thymus with Rat anti Mouse CD150: RPE

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD150. It may not necessarily be applicable to this product.

NCBI GI #	29336066
NCBI GeneID	27218
NCBI Accession #	NP_038758.2
UniProt Primary Accession #	Q9QUM4
UniProt Secondary Accession #	Q9QXZ3

UniProt Related Accession #	Q9QUM4
GenBank Nucleotide #	NM_013730.4
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; IPO-3; CDw150; ESTM51; AA177906; 4933415F16
UniProt Protein Name	Signaling lymphocytic activation molecule
UniProt Synonym Protein Names	CD_antigen: CD150
Protein Family	Signaling lymphocytic activation molecule
UniProt Gene Name	Slamf1
UniProt Synonym Gene Names	Slam
UniProt Entry Name	SLAF1_MOUSE
NCBI Protein Information	signaling lymphocytic activation molecule; signaling lymphocyte activation molecule
UniProt Comments for CD150	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: Membrane protein, integral; Receptor, misc. Cellular Component: cell surface; membrane; integral to membrane; plasma membrane; phagocytic vesicle; external side of plasma membrane Molecular Function: protein binding; receptor activity Biological Process: regulation of catalytic activity; regulation of vesicle fusion; lymphocyte activation
Research Articles on CD150	**1.** The goal of the current study was to determine whether Slam haplotype affected NKT and Vgamma4+ T-cell responses subsequent to coxsackievirus b3 infection.
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