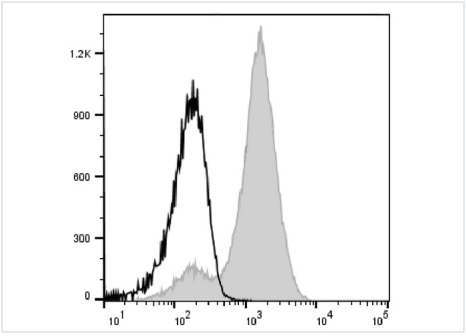
CD2 Antibody – Rat

PRODUCT OVERVIEW

Product Name	CD2, Antibody
Full Product Name	Fluor Violet 450 Anti-Mouse CD2 Antibody [RM2-5]
Product Gene Name	anti-CD2 antibody
Product Synonym Names	LFA-2; T11; Ly-37; SRBC-R
Isotype	IgG2b, lambda
Clone Number	RM2-5
Host	Rat
Species Reactivity	Mouse
Preparation and Storage	This product can be stored at 2-8 degree C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Matching Pairs	Antibody: CD2 Clone #RM2-5 (MBS2585709) Isotype Control: IgG2b, lambda Clone #G013B8 (MBS2584941)
Molecular Weight	38,415 Da
3D Structure	ModBase 3D Structure for P08920
Conjugation	FluorViolet 450
Product Categories/Family for anti-CD2 antibody	Antibodies and Reagents; Primary Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD2 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD2 antibody	MBS2585709 is an antibody targeting CD2. Also known as Fluor Violet 450 Anti-Mouse CD2 Antibody [RM2-5]. Reactive in Mouse. Host: Rat.
Other Notes	Small volumes of anti-CD2 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.



Flow Cytometry (FC/FACS) of anti-CD2 antibody
Staining of C57BL/6 murine splenocytes cells with Fluor® Violet 450 Anti-Mouse CD2 Antibody[RM2-5] (filled gray histogram) or PE/Fluor® 594 Rat IgG2b,? Isotype Control (empty black histogram). Total viable cells were used for analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD2. It may not necessarily be applicable to this product.

NCBI GI #	12481
NCBI GeneID	12481
NCBI Accession #	P08920.1
UniProt Primary Accession #	P08920
UniProt Secondary Accession #	Q61394
UniProt Related Accession #	P08920
NCBI Official Full Name	T-cell surface antigen CD2
NCBI Official Synonym Full Names	CD2 antigen
NCBI Official Symbol	Cd2
NCBI Official Synonym Symbols	Ly37; LFA-2; Ly-37
UniProt Protein Name	T-cell surface antigen CD2
UniProt Synonym Protein Names	LFA-2; LFA-3 receptor; Lymphocyte antigen 37; Ly-37; T-cell surface antigen T11/Leu-5; CD_antigen: CD2
Protein Family	T-cell surface antigen
UniProt Gene Name	Cd2
UniProt Synonym Gene Names	Ly-37; Ly-37
UniProt Entry Name	CD2_MOUSE
NCBI Protein Information	T-cell surface antigen CD2; LFA-3 receptor; lymphocyte antigen 37; T-cell surface antigen T11/Leu-5
UniProt Comments for CD2	CD2: CD2 interacts with lymphocyte function-associated antigen (LFA-3) and CD48/BCM1 to mediate adhesion between T-cells and other cell types. CD2 is implicated in the triggering of T- cells, the cytoplasmic domain is implicated in the signaling function. Protein type: Membrane protein, integral; Apoptosis; Cell surface Cellular Component: internal side of plasma membrane; cell surface; protein complex; anchored to plasma membrane; membrane; integral to membrane; extracellular region; intercellular junction; lipid raft; external side of plasma membrane Molecular Function: protein binding; protein homodimerization activity; protein self-association; receptor activity; glycoprotein binding; receptor tyrosine kinase binding; protein kinase binding; antigen binding; receptor binding Biological Process: heterotypic cell-cell adhesion; cell-cell adhesion; T cell activation; cell adhesion; positive regulation of tumor necrosis factor production
Research Articles on CD2	**1.** CD2 stimuli were mandatory for Treg cell survival with reduced Bim expression, but CD2 may not function as a direct receptor for molecules on stromal cells.
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