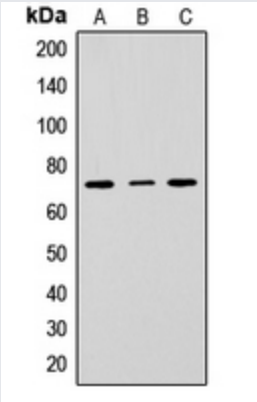
CD229 (LY9) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD229 (LY9), Polyclonal Antibody
Full Product Name	Anti-CD229 Antibody
Product Gene Name	anti-LY9 antibody
Product Synonym Names	T-lymphocyte surface antigen Ly-9; Cell surface molecule Ly-9; Lymphocyte antigen 9; SLAM family member 3; SLAMF3; Signaling lymphocytic activation molecule 3; CD229
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of CD229 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Antibody/Peptide Pairs	CD229 peptide (MBS826887) is used for blocking the activity of CD229 antibody (MBS8238987)
Molecular Weight	71,961 Da
OMIM	600684
3D Structure	ModBase 3D Structure for Q9HBG7
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD229. The exact sequence is proprietary.
Applications Tested/Suitable for anti-LY9 antibody	Western Blot (WB)
Application Notes for anti-LY9 antibody	WB (1/500 - 1/1000)
Related Product Information for anti-LY9 antibody	MBS8238987 is an antibody targeting LY9. Also known as Anti-CD229 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to CD229
Other Notes	Small volumes of anti-LY9 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.



Western Blot (WB) of anti-LY9 antibody
Western blot analysis of CD229 expression in HepG2 (A), Raw264.7 (B), H9C2 (C) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LY9. It may not necessarily be applicable to this product.

NCBI GI #	75991709
NCBI GeneID	4063
NCBI Accession #	NP_001028839.1
UniProt Primary Accession #	Q9HBG7
UniProt Secondary Accession #	Q14775; Q5VYI3; Q6P2J4; Q9H4N5; Q9NQ24; A8K7N3
UniProt Related Accession #	Q9HBG7
GenBank Nucleotide #	NM_001033667.2
NCBI Official Full Name	T-lymphocyte surface antigen Ly-9 isoform b
NCBI Official Synonym Full Names	lymphocyte antigen 9
NCBI Official Symbol	LY9
NCBI Official Synonym Symbols	hly9; mLY9; CD229; SLAMF3
UniProt Protein Name	T-lymphocyte surface antigen Ly-9
UniProt Synonym Protein Names	Cell surface molecule Ly-9; Lymphocyte antigen 9; SLAM family member 3; SLAMF3; Signaling lymphocytic activation molecule 3; CD_antigen: CD229
Protein Family	T-lymphocyte surface antigen
UniProt Gene Name	LY9
UniProt Synonym Gene Names	SLAMF3
UniProt Entry Name	LY9_HUMAN
NCBI Protein Information	T-lymphocyte surface antigen Ly-9
NCBI Summary for LY9	LY9 belongs to the SLAM family of immunomodulatory receptors (see SLAMF1; MIM 603492) and interacts with the adaptor molecule SAP (SH2D1A; MIM 300490) (Graham et al., 2006 [PubMed 16365421]).[supplied by OMIM, Mar 2008]

UniProt Comments for LY9	CD229: May participate in adhesion reactions between T lymphocytes and accessory cells by homophilic interaction. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Cell surface Chromosomal Location of Human Ortholog: 1q23.3 Cellular Component: integral to membrane Molecular Function: receptor activity Biological Process: cell adhesion
Research Articles on LY9	**1.** SLAMF3 is an inhibitor of hepatocellular carcinoma cell proliferation and tumor progression.
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