Mouse anti-Human CD229 Monoclonal Antibody | anti-CD229 antibody

Anti-Hu CD229 Purified Low Endotoxin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128595	**Mouse**	**Human**	**Functional Assay, Immunocytochemistry, Western Blot, Immunoprecipitation, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD229; Monoclonal Antibody; Anti-Hu CD229 Purified Low Endotoxin; lymphocyte antigen 9; SLAMF3; LY9; anti-CD229 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	HLy9.25
Specificity	The mouse monoclonal antibody HLy9.25 (also known as HLy9.1.25) recognizes an extracellular epitope of CD229 / Ly9, a 100-120 kDa cell surface glycoprotein expressed on T and B cells.
Purity/Purification	Purified by Protein-A Affinity Chromatography
Form/Format	Low endotoxin azide free phosphate buffered saline (PBS) solution, 0.2 um filter sterilized. Endotoxin level is less than 0.01 EU/ug of the protein, as determined by the LAL test.
Concentration	1 mg/ml (varies by lot)
Sequence Length	193
Applicable Applications for anti-CD229 antibody	FA (Functional Assay), ICC (Immunocytochemistry), WB (Western Blot), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	CD299-transfected 300.19 pre-B cell line
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-CD229 antibody	CD229 (Ly9) is a cell surface receptor of the CD150 family, which includes also e.g. CD48 and CD224. Receptors of this family regulate cytokine production and cytotoxicity of lymphocytes and NK cells. High levels of CD229 are found on T and B cells, where its expression increases during their maturation. It is absent on granulocytes, bone marrow-derived dendritic cells, platelets and erythrocytes. CD229 has been also reported on mouse monocytes and NK cells. CD229 interacts homophilically through its N-terminal domain and localizes to the contact site between T cells and antigen presenting B cells during antigen-dependent immune synapse formation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	75991709
NCBI GeneID	4063
NCBI Accession #	NP_001028839.1
NCBI GenBank Nucleotide #	NP_001028839.1

UniProt Accession #	Q9HBG7
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
NCBI Protein Information	T-lymphocyte surface antigen Ly-9
UniProt Protein Name	T-lymphocyte surface antigen Ly-9
UniProt Gene Name	**LY9**
UniProt Synonym Gene Names	SLAMF3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/cd229-antibody-clone-hly9-25-functional-assay-immunocytochemistry-western-blot-immunoprecipitation-flow-cytometry-elisa/128595