ARG62779
anti-CD229 antibody [HLy9.25]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [HLy9.25] recognizes CD229
Tested Reactivity	Hu
Tested Application	FACS, FuncSt, ICC/IF, IP, WB
Specificity	The clone HLy9.25 (also known as HLy9.1.25) recognizes CD229 / Ly9, a 100-120 kDa cell surface glycoprotein expressed on T and B cells.
Host	Mouse
Clonality	Monoclonal
Clone	HLy9.25
Isotype	IgG1
Target Name	CD229
Immunogen	CD299-transfected 300.19 pre-B cell line
Conjugation	Un-conjugated
Alternate Names	Signaling lymphocytic activation molecule 3; T-lymphocyte surface antigen Ly-9; Cell surface molecule Ly-9; hly9; Lymphocyte antigen 9; mLY9; CD229; SLAMF3; CD antigen CD229; SLAM family member 3

Application Instructions

Application table

Application	Dilution
FACS	6 µg/ml
FuncSt	Assay-dependent
ICC/IF	Assay-dependent
IP	Assay-dependent
WB	Assay-dependent

Application Note: Functional studies: Regulation of activation.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: FACS: Peripheral blood lymphocytes

Properties

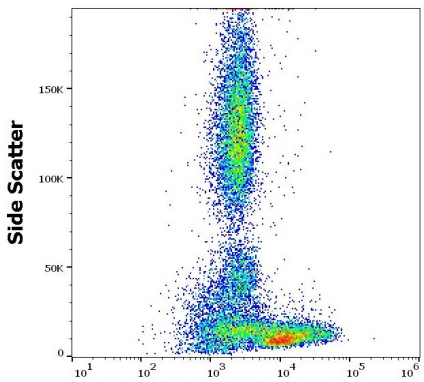
Form	Liquid
Purification	Purified from ascites by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide

Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

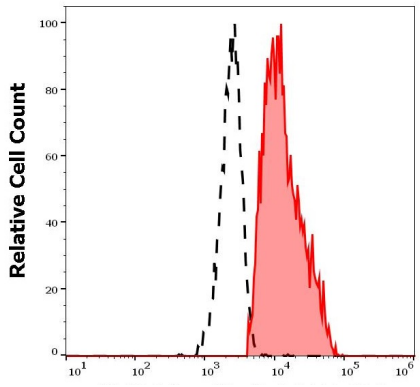
Database links	GeneID: 4063 Human Swiss-port # Q9HBG7 Human
Gene Symbol	LY9
Gene Full Name	lymphocyte antigen 9
Background	CD229 (Ly9) is a cell surface receptor of the CD150 family, which includes also e.g. CD48 and CD224. Receptors of this family regulate cytokine production and cytotoxicity of lymphocytes 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.
Function	May participate in adhesion reactions between T lymphocytes and accessory cells by homophilic interaction. [UniProt]
Research Area	Developmental Biology antibody; Immune System antibody
Calculated Mw	72 kDa

Images



ARG62779 anti-CD229 antibody [HLy9.25] FACS image

Flow Cytometry: Human peripheral blood stained with ARG62779 anti-CD229 antibody [HLy9.25] at 16 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.



ARG62779 anti-CD229 antibody [HLy9.25] FACS image

Flow Cytometry: Separation of human CD229 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed), Human peripheral whole blood stained with ARG62779 anti-CD229 antibody [HLy9.25] at 16 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.