

## ARG53796 anti-CD229 antibody [HLy9.25] (APC)

Package: 100 tests  
Store at: 4°C

### Summary

Product Description	APC-conjugated Mouse Monoclonal antibody [HLy9.25] recognizes CD229
Tested Reactivity	Hu
Tested Application	FACS
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	APC
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	10 µl / 10 <sup>6</sup> cells
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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.

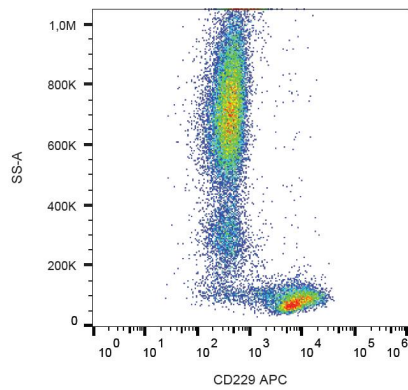
## Bioinformation

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Database links	<a href="#">GeneID: 4063 Human</a> <a href="#">Swiss-port # Q9HBG7 Human</a>
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

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ARG53796 anti-CD229 antibody [HLy9.25] (APC) FACS image

Flow Cytometry: Human peripheral blood cells stained with ARG53796 anti-CD229 antibody [HLy9.25] (APC).