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Overview

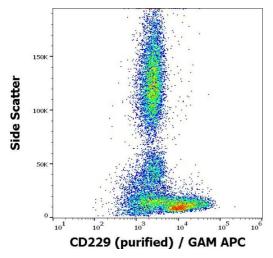
Quantity:	0.1 mg
Target:	LY9 (CD229)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LY9 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunoprecipitation (IP), Immunocytochemistry (ICC)

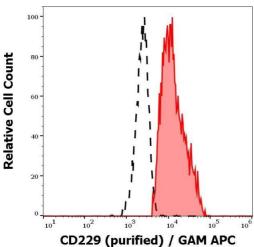
Product Details

Immunogen:	CD299-transfected 300.19 pre-B cell line
Clone:	HLy9-25
Isotype:	lgG1
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.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	LY9 (CD229)
Alternative Name:	CD229 (CD229 Products)
Background:	Lymphocyte antigen 9,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.,SLAMF3, LY9
Gene ID:	4063
UniProt:	Q9HBG7
Pathways:	BCR Signaling
Application Details	
Application Notes:	Flow cytometry: Recommended dilution: 6 µg/mL, positive control: peripheral blood
	lymphocytes.
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.





Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD229 (HLy9.25) purified antibody (concentration in sample 16 μ g/mL) GAM APC.

Flow Cytometry

Image 2. Separation of human CD229 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD229 (HLy9.25) purified antibody (concentration in sample 16 μ g/mL) GAM APC.