EXBIO Antibodies

PRODUCT DATA SHEET

11-618-C100

Monoclonal Antibody to CD229
Purified Antibody (0.1 mg)

Clone:	HLy9.25
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody HLy9.25 (also known as HLy9.1.25) recognizes CD229 / Ly9, a 100-120 kDa cell surface glycoprotein expressed on T and B cells.
Immunogen:	CD299-transfected 300.19 pre-B cell line
Species Reactivity:	Human
Application:	Flow Cytometry Recommended dilution:6 µg/ml Positive control:peripheral blood lymphocytes Immunoprecipitation Western Blotting Immunocytochemistry Functional Application Regulation of activation
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified from ascites by protein-A affinity chromatography.
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
Expiration:	See vial label
Lot Number:	See vial label
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.

For laboratory research only, not for drug, diagnostic or other use.

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References:

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