

Anti-Hu CD229 Purified LY9 Monoclonal Antibody

Catalog Number: M05830

About LY9

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.

Overview

Product Name	Anti-Hu CD229 Purified LY9 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD229 Purified LY9 Monoclonal Antibody (Catalog# M05830). Tested in Flow Cytometry, IP, WB, ICC application(s). This antibody reacts with Human.
Application	Flow Cytometry, IP, ICC, WB
Clonality	Monoclonal HLy9.25
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	Q9HBG7

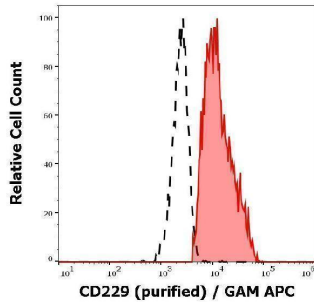
Technical Details

Immunogen	CD229-transfected 300.19 pre-B cell line. 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.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody weakly cross-reacts with murine SIT.
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

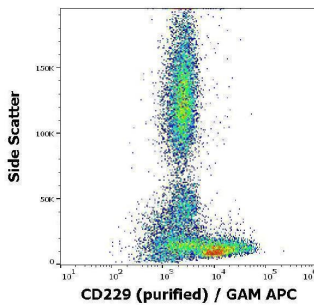
Suggested Dilutions

Flow cytometry: 6 ug/ml; positive control: peripheral blood lymphocytes.

Anti-Hu CD229 Purified LY9 Monoclonal Antibody (M05830) Images



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 µg/ml) GAM APC.



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

Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Hu CD229 Purified LY9 Monoclonal Antibody

For Research Use Only. Not for use in diagnostic procedures.