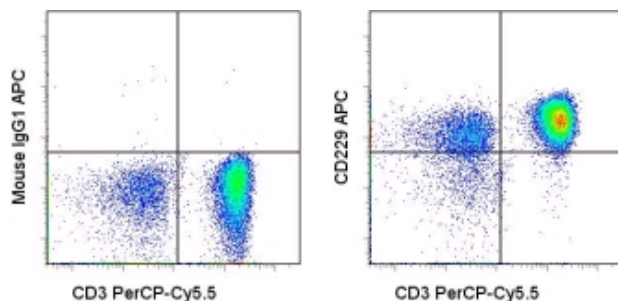


Anti-Human CD229 (Ly-9) APC

Catalog Number: 17-2299

Also Known As: Ly9, SLAMF3

RUO: For Research Use Only



Staining of normal human peripheral blood cells with Anti-Human CD3 PerCP-Cy5.5 (cat. 45-0037) and Mouse IgG1 κ Isotype Control APC (cat. 17-4714) (left) or Anti-Human CD229 (Ly-9) APC (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD229 (Ly-9) APC


REF Catalog Number: 17-2299

Clone: HLY9.25

Concentration: 5 μ l (0.03 μ g)/test


Host/Isotype: Mouse IgG1

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

This HLY9.25 monoclonal antibody reacts with human CD229 (also known as Ly9 or SLAMF3), an approximately 120-kDa member of the Signaling Lymphocyte Activation Molecule (SLAM) immunoglobulin superfamily. This type I transmembrane glycoprotein is expressed on a variety of immune cell types, including thymocytes, T and B lymphocytes, and natural killer cells. Expression of CD229 is also detected on T and B cell malignancies, including Jurkat and Burkitt lymphoma cells, respectively. CD229 has been shown to interact with SH2-binding phosphatases and the adaptor proteins SLAM-associated protein (SAP) and EAT-2. Moreover, CD229 localizes to the immunological synapse following T cell activation.

Applications Reported

This HLY9.25 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This HLY9.25 antibody has been pre-titrated and tested by flow cytometric analysis on normal human peripheral blood cells. This can be used at 5 μ l (0.03 μ g)/per test. A test is defined as the amount (μ g)/test of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Romero X, Zapater N, Calvo M, Kalko SG, de la Fuente MA, Tovar V, Ockeloen C, Pizcueta P, Engel P. CD229 (Ly9) lymphocyte cell surface receptor interacts homophilically through its N-terminal domain and relocalizes to the immunological synapse. *J Immunol.* 2005 Jun 1;174(11):7033-42.

de la Fuente MA, Tovar V, Villamor N, Zapater N, Pizcueta P, Campo E, Bosch J, Engel P. Molecular characterization and expression of a novel human leukocyte cell-surface marker homologous to mouse Ly-9. *Blood.* 2001 Jun 1;97(11):3513-20. (HLY9.25, FC, Pubmed)

Related Products

17-2291 Anti-Mouse CD229 (Ly-9) APC (Ly9ab3)

17-4714 Mouse IgG1 K Isotype Control APC

45-0037 Anti-Human CD3 PerCP-Cy5.5 (OKT3)

