

TECHNICAL DATA SHEET

CyFlow™ CD229 APC Anti-Hu; Clone HLy9.25

REF CH984515

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD229
Alternative Names	Ly-9, SLAMF3, hly9, mLY9
Clone	HLy9.25
Clonality	monoclonal
Format	APC
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	CD299-transfected 300.19 pre-B cell line

Specificity

The mouse monoclonal antibody HLy9.25 (HLy9.1.25) recognizes CD229 antigen, a 100-120 kDa cell surface glycoprotein expressed on T and B cells.

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Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 10 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

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.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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