

## TECHNICAL DATA SHEET

### CyFlow™ CD229 Purified Anti-Hu; Clone HLy9.25

**REF** AB537478

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

### Specifications

<b>Antigen</b>	CD229
<b>Alternative Names</b>	Ly-9, SLAMF3, hly9, mLY9
<b>Clone</b>	HLy9.25
<b>Clonality</b>	monoclonal
<b>Format</b>	Purified
<b>Host / Isotype</b>	Mouse / IgG1
<b>Species Reactivity</b>	Human
<b>Negative Species Reactivity</b>	—
<b>Quantity [Concentration]</b>	0.1 mg [ 1 mg/ml ]
<b>Immunogen</b>	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

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunocytochemistry
- Functional assays

## Storage Buffer

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

## Storage and Stability

<b>Storage</b>	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
<b>Stability</b>	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](http://www.sysmex-partec.com/services).

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