

## LY9 monoclonal antibody, clone HLy9.25 (PE)

Catalog # MAB9809

Size 100 Reactions

### Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against full length recombinant LY9.
<b>Immunogen</b>	Recombinant protein corresponding to full length human LY9.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	100-120
<b>Reactivity</b>	Human
<b>Specificity</b>	The mouse monoclonal antibody HLy9.25 (also known as HLy9.1.25) recognizes LY9 (CD229), a 100-120 kDa cell surface glycoprotein expressed on T and B cells.
<b>Form</b>	Liquid
<b>Conjugation</b>	PE
<b>Purification</b>	Size-exclusion chromatography purification
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	Flow Cytometry (20 uL reagent/100 uL of whole blood or $10^6$ cells) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.4 (0.02% BSA, 0.09% sodium azide)
<b>Storage Instruction</b>	Store in the dark at 4°C. Avoid prolonged exposure to light. Do not freeze.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Flow Cytometry

## Gene Info — LY9

Entrez GeneID	<a href="#">4063</a>
Gene Name	LY9
Gene Alias	CD229, SLAMF3, hly9, mLY9
Gene Description	lymphocyte antigen 9
Omim ID	<a href="#">600684</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	LY9 belongs to the SLAM family of immunomodulatory receptors (see SLAMF1; MIM 603492) and interacts with the adaptor molecule SAP (SH2D1A; MIM 300490) (Graham et al., 2006 [PubMed 16365421]).[supplied by OMIM]
Other Designations	OTTHUMP00000025675 T-lymphocyte surface antigen Ly-9 cell-surface molecule Ly-9

## Disease

- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)