

## Purified anti-mouse CD229 (Ly-9)

**Catalog # / Size:** 122901 / 50 µg

**Clone:** Ly9ab3

**Isotype:** Armenian Hamster IgG

**Immunogen:** AHK cells transiently transfected with mouse CD229 (Ly-9)

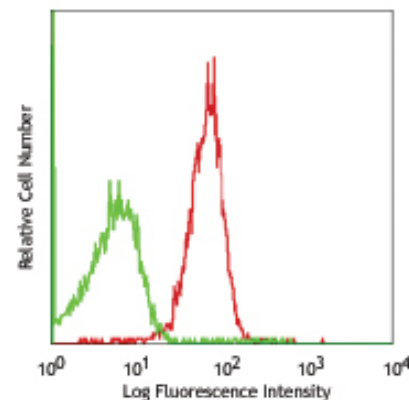
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C.



*C57BL/6 splenocytes stained with purified Ly9ab3, followed by anti-Armenian hamster IgG FITC*

## Applications:

**Applications:** FC - *Quality tested*

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is  $\leq 0.25$  µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application References:** 1. Romero X, *et al.* 2005. *J. Immunol.* 174:7033.

**Description:** CD229 is a 100-120 kD glycoprotein. It is a member of the SLAM family, a CD2 subset of the Ig superfamily, known as Ly9 or SLAMF3. CD229 is expressed on T cells, B cells, NK cells, and thymocytes. It functions as a homophilic adhesion molecule through binding to CD229 itself. The cytoplasmic tail of CD229 binds to SAP and Grb2 proteins. CD229 is involved in enhancing T cell activation and Th2 polarization.

**Antigen References:** 1. Sandrin MS, *et al.* 1996. *Immunogenetics* 43:13.  
2. de la Fuente MA, *et al.* 2001. *Blood* 97:3513.  
3. Romero X, *et al.* 2005. *J. Immunol.* 174:7033.  
4. Martin M, *et al.* 2005. *J. Immunol.* 174:5977.  
5. Graham DB, *et al.* 2006. *J. Immunol.* 176:291.

### Related Products:

**Product**  
Biotin Goat anti-hamster (Armenian) IgG  
FITC Goat anti-hamster (Armenian) IgG  
Cell Staining Buffer  
Purified Armenian Hamster IgG Isotype Ctrl

**Clone**  
Poly4055  
Poly4055  
HTK888

**Application**  
FC, ELISA, ICFC, IHC, IF, WB  
FC, ICFC  
FC, ICC, ICFC  
FC, ICC, ICFC, IF, IP, WB



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biolegend.com/ordering#license](http://www.biolegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.