

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

**Catalog # / Size:** 122903 / 50 µg

**Clone:** Ly9ab3

**Isotype:** Armenian Hamster IgG

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

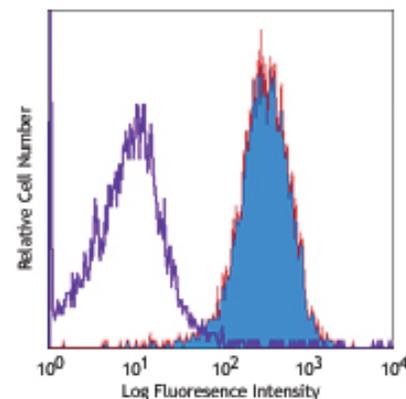
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

**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. **Do not freeze.**



C57BL/6 mouse splenocytes stained with biotinylated Ly9ab3, followed by Sav-PE

## 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 ≤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:

APC Streptavidin	
PE Streptavidin	
Cell Staining Buffer	
Biotin Armenian Hamster IgG Isotype Ctrl	
TruStain fcX™ (anti-mouse CD16/32)	

### Clone

HTK888
93

### Application

FC, ICFC
FC, ICFC
FC, ICC, ICFC
FC, ICFC
FC



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