

Product Data Sheet

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)

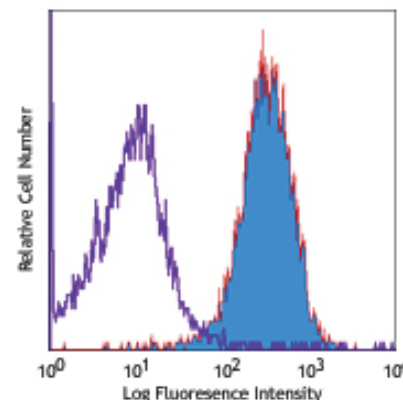
Reactivity: Mouse

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:

Product
 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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