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Product Data Sheet

PE anti-mouse CD229 (Ly-9)

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Catalog # / Size:	122905 / 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 PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.2 mg/ml
Storage:	The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**
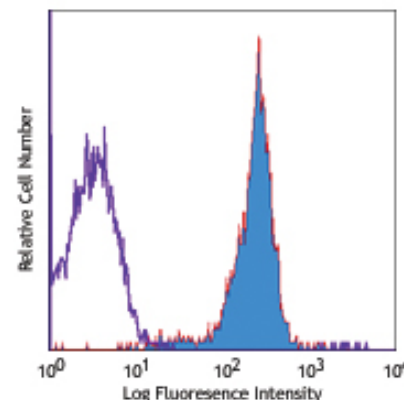
C57BL/6 mouse plenocytes stained with Ly9ab3 PE

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	Clone	Application
Cell Staining Buffer		FC, ICC, ICFC
PE Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICFC
TruStain fcX™ (anti-mouse CD16/32)	93	FC