

PE anti-mouse CD335 (NKp46)

Catalog # / Size: 137603 / 25 µg
137604 / 100 µg

Clone: 29A1.4

Isotype: Rat IgG2a, κ

Immunogen: NKP46-IgG1 Fc fusion protein

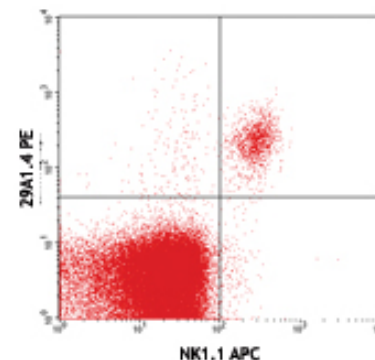
Reactivity: Mouse

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 splenocytes stained with 29A1.4 PE and NK1.1 (PK136) APC

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 ≤1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining of frozen tissue sections^{1,2} and *in vitro* activation of NK cells¹.

Application References:

- Walzer T, et al. 2007. *P. Natl. Acad. Sci. USA* 104:3384. (IHC, Activ)
- Walzer T, et al. 2007. *Nat. Immunol.* 8:1337. (IHC)
- Guerriero JL, et al. 2011. *J. Immunol.* 186:3517. PubMed

Description: CD335, also known as NKp46, is a single-pass type I membrane protein of 46 kD. It belongs to the natural cytotoxicity receptor (NCR) family and contains two Ig-like (immunoglobulin-like) domains. It's expression is restricted to NK cells and a subset of NK-like T cells; it's not expressed in CD1d-restricted NKT cells. CD335 is a receptor for viral hemagglutinins and heparan sulfate proteoglycans and is involved in NK cell activation.

Antigen References:

- Colucci F and Cilio CM. 2010. *Nat. Immunol.* 125:60.
- Caligiuri MA. 2008. *Blood* 112:461.
- Colonna M. 2009. *Immunity* 31:15.

Related Products:	Product	Clone	Application
	PE Rat IgG2a, κ Isotype Ctrl	RTK2758	FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	TruStain fcX™ (anti-mouse CD16/32)	93	FC



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