

**Purified anti-mouse CD335 (NKp46)**

**Catalog # / Size:** 1288010 / 500 µg  
1288005 / 50 µg

**Clone:** 29A1.4

**Isotype:** Rat IgG2a, κ

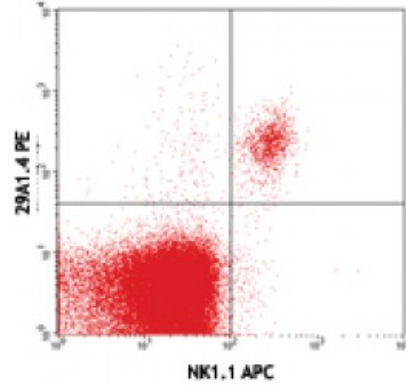
**Immunogen:** NKp46-IgG1 Fc fusion protein

**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



C57BL/6 mouse splenocytes stained with purified 29A1.4 conjugated with PE and NK1.1 (PK136) APC

**Applications:**

**Applications:** Other

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.25 microg per million cells in 100 microL 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<sup>1,2</sup> and *in vitro* activation of NK cells<sup>1</sup>.

**Application References:**

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