

**PE/Dazzle™ 594 anti-mouse CD335 (NKp46)**

**Catalog # / Size:** 1288150 / 100 µg  
1288145 / 25 µg

**Clone:** 29A1.4

**Isotype:** Rat IgG2a, κ

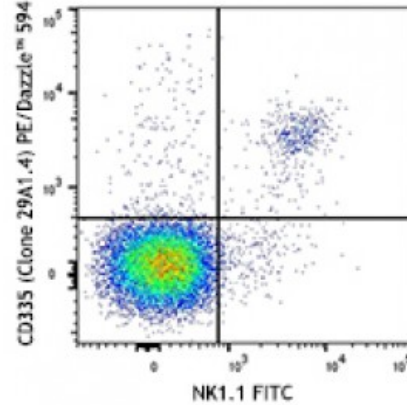
**Immunogen:** NKP46-IgG1 Fc fusion protein

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.2



C57BL/6 splenocytes were stained with NK1.1 FITC and CD335 (clone 29A1.4) PE/Dazzle™ 594 (top) or rat IgG2a, κ PE/Dazzle™ 594 isotype control (bottom).

**Applications:**

**Applications:** Flow Cytometry

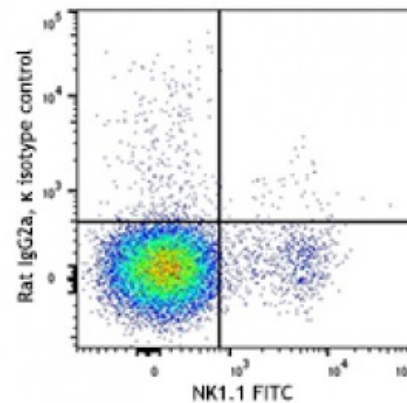
**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.75 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

**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:**

1. Walzer T, *et al.* 2007. *P. Natl. Acad. Sci. USA* 104:3384. (FC, Activ)
2. Walzer T, *et al.* 2007. *Nat. Immunol.* 8:1337. (FC, Activ)
3. 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:**
1. Colucci F and Cilio CM. 2010. *Nat. Immunol.* 125:60.
  2. Caligiuri MA. 2008. *Blood* 112:461.
  3. Colonna M. 2009. *Immunity* 31:15.