

## PerCP/Cy5.5 anti-mouse CD335 (NKp46)

**Catalog # / Size:** 137609 / 25 µg  
137610 / 100 µg

**Clone:** 29A1.4

**Isotype:** Rat IgG2a, κ

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

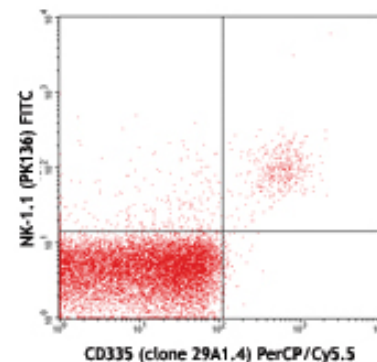
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 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 splenocytes stained with NK-1.1 (PK136) FITC and PerCP/Cy5.5 anti-mouse CD335 (clone 29A1.4)

## 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.

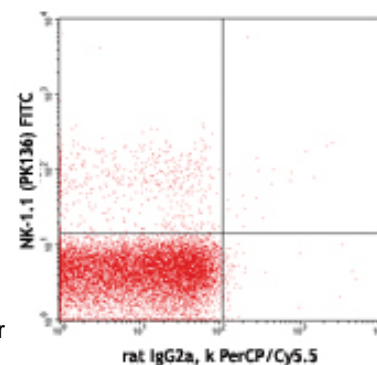
\* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

**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>.

Cy3, Cy5, Cy5.5 and Cy7 are subject to proprietary rights of GE Healthcare Bio-Sciences Corp. and Carnegie Mellon University and made and sold under license from GE Healthcare Bio-Sciences Corp. Sale of this product is licensed for research use only.

**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



C57BL/6 splenocytes stained with NK-1.1 (PK136) FITC and PerCP/Cy5.5 rat IgG2a isotype control

**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**  
PerCP/Cy5.5 Rat IgG2a, κ Isotype Ctrl  
Cell Staining Buffer  
RBC Lysis Buffer (10X)  
TruStain fcX™ (anti-mouse CD16/32)

**Clone**  
RTK2758

93

**Application**  
FC, ICFC  
FC, ICC, ICFC  
FC, ICFC  
FC



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