

# Product Data Sheet

## FITC anti-mouse CD335 (NKp46)

**Catalog # / Size:** 137605 / 25 µg  
137606 / 100 µg

**Clone:** 29A1.4

**Isotype:** Rat IgG2a, κ

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

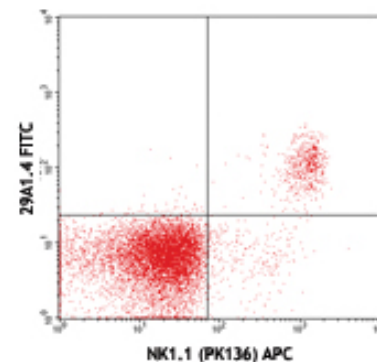
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.

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

**Concentration:** 0.5 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 NK1.1 (PK136) APC and 29A1.4 FITC

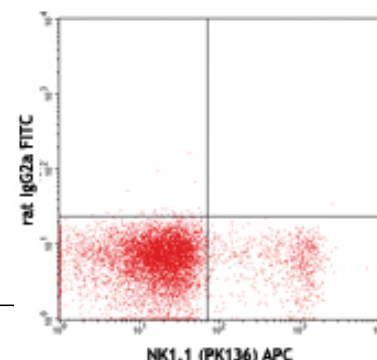
## Applications:

**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<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. (IHC, Activ)  
2. Walzer T, *et al.* 2007. *Nat. Immunol.* 8:1337. (IHC)  
3. Guerriero JL, *et al.* 2011. *J. Immunol.* 186:3517. PubMed



C57BL/6 splenocytes stained with NK1.1 (PK136) APC and rat IgG2a, κ FITC 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:** 1. Colucci F and Cilio CM. 2010. *Nat. Immunol.* 12:60.  
2. Caligiuri MA. 2008. *Blood* 112:461.  
3. Colonna M. 2009. *Immunity* 31:15.

### Related Products:

**Product**  
 FITC 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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