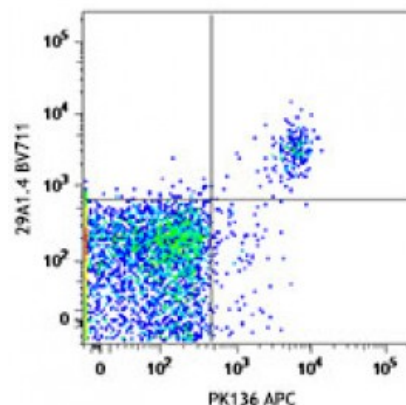


Brilliant Violet 711™ anti-mouse CD335 (NKp46)

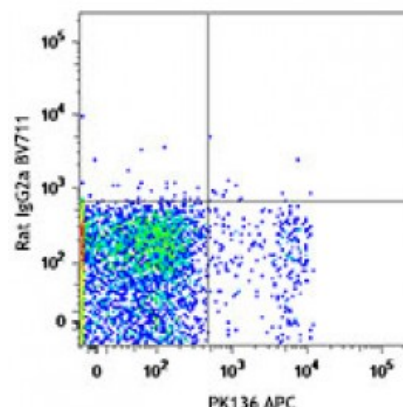
Catalog # / Size:	1288105 / 50 µg
Clone:	29A1.4
Isotype:	Rat IgG2a, κ
Immunogen:	NKP46-IgG1 Fc fusion protein
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 711™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 711™ and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Concentration:	0.2



C57BL/6 splenocytes were stained with NK1.1 (clone PK136) APC and NKp46 (clone 29A1.4) Brilliant Violet 711™ (top) or rat IgG2a Brilliant Violet 711™ 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 ≤0.5 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.



Brilliant Violet 711™ excites at 405 nm and emits at 711 nm. The bandpass filter 710/50 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. **Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel.** Refer to your instrument manual or manufacturer for support. Brilliant Violet 711™ is a trademark of Sirigen Group Ltd.

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resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.

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: 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.