

CD335 (NKp46) Monoclonal Antibody (29A1.4), PE, eBioscience™

Product Details	
Size	100 µg
Species reactivity	Mouse
Published species	Human, Mouse
Host / Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	29A1.4
Conjugate	PE
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_1210743

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	36 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications

Product Specific Information

Description: The monoclonal antibody 29A1.4 recognizes mouse NKp46, also known as CD335. CD335, a member of the natural cytotoxicity receptor (NCR) family, is a glycoprotein with 2 Ig-like domains and a short cytoplasmic tail. Expression of CD335 is uniquely found on NK cells (including immature NK cells, defined as DX5- CD3-, and thereby allowing discrimination between NKT cells and NK cells (NKp46+, CD3-). Furthermore, unlike many of the NK markers which also stain NKT cells, staining with 29A1.4 is not strain specific. Staining has been shown on C57Bl/6, SJL, CBA/CA and BALB/C strains. NKp46 has been shown to play a role in NK cell-mediated lysis of several tumor cells and pathogen-infected cell lines.

The 29A1.4 monoclonal antibody has been shown to activate NK cells in vitro. The 29A1.4 monoclonal antibody does not deplete NK cells in vivo.

Applications Reported: This 29A1.4 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 29A1.4 antibody has been tested by flow cytometric analysis or mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁴ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Visit thermofisher.com to view references and figures.

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