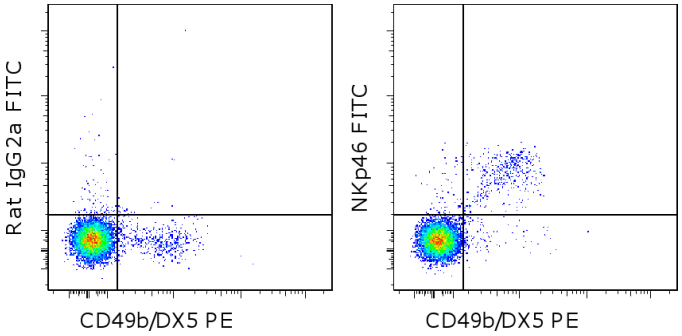
Anti-Mouse CD335 (NKp46) FITC

Catalog Number: 11-3351
Also known as: NCR1, Ly-94
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of BALB/c splenocytes with Anti-Mouse CD49b (Integrin alpha 2) PE (cat. 12-5971) and 0.5 ug of Rat IgG2a K Isotype Control FITC (cat. 11-4321) (left) or 0.5 ug of Anti-Mouse CD335 (NKp46) FITC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD335 (NKp46) FITC
REF **Catalog Number:** 11-3351
Clone: 29A1.4
Concentration: 0.5 mg/mL
Host/Isotype: Rat IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial
Caution, contains Azide

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 of mouse splenocytes. This can be used at less than or equal to 1 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Dec;8(12):1337-44. (29A1.4, FC PubMed)

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Related Products
11-4321 Rat IgG2a K Isotype Control FITC (eBR2a)
12-5971 Anti-Mouse CD49b (Integrin alpha 2) PE (DX5)

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