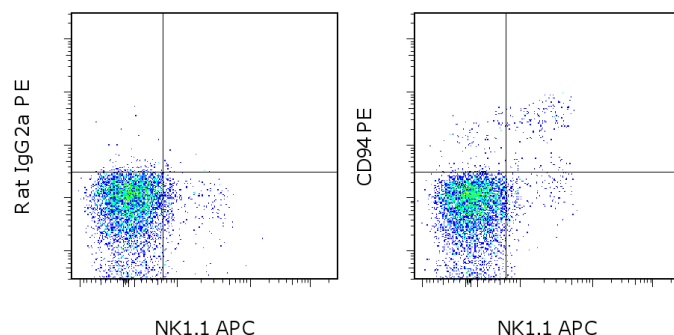


Anti-Mouse CD94 PE

Catalog Number: 12-0941

Also known as: KLRD1, KP43

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of C57Bl/6 splenocytes with Anti-Mouse NK1.1 APC (cat. 17-5941) and 0.125 ug of Rat IgG2a K Isotype Control PE (cat. 12-4321) (left) or 0.125 ug of Anti-Mouse CD94 PE (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD94 PE



Catalog Number: 12-0941

Clone: 18d3

Concentration: 0.2 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.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide



Description

The 18d3 monoclonal antibody reacts with mouse CD94, a 70 kDa type II transmembrane glycoprotein. CD94 belongs to the C-type lectin superfamily and is present as a heterodimer with NKG2 on the surface. CD94 is expressed by NK cells, a subset of T cells, and NKT cells and plays an important role in adhesion and activation of NK cell lineage. DBA/2J mice are naturally CD94-deficient and do not express cell-surface CD94/NKG2A receptors, even on neonatal NK cells.

Applications Reported

The 18d3 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The 18d3 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Vance RE, Jamieson AM, Raulet DH. Recognition of the class Ib molecule Qa-1(b) by putative activating receptors CD94/NKG2C and CD94/NKG2E on mouse natural killer cells. J Exp Med. 1999 Dec 20;190(12):1801-12.

Vance RE, Kraft JR, Altman JD, Jensen PE, Raulet DH. Mouse CD94/NKG2A is a natural killer cell receptor for the nonclassical major histocompatibility complex (MHC) class I molecule Qa-1(b). J Exp Med. 1998 Nov 16;188(10):1841-8

Vance RE, Tanamachi DM, Hanke T, Raulet DH. Cloning of a mouse homolog of CD94 extends the family of C-type lectins on murine natural killer cells. Eur J Immunol. 1997 Dec;27(12):3236-41.

Related Products

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12-4321 Rat IgG2a K Isotype Control PE (eBR2a)

17-5941 Anti-Mouse NK1.1 APC (PK136)