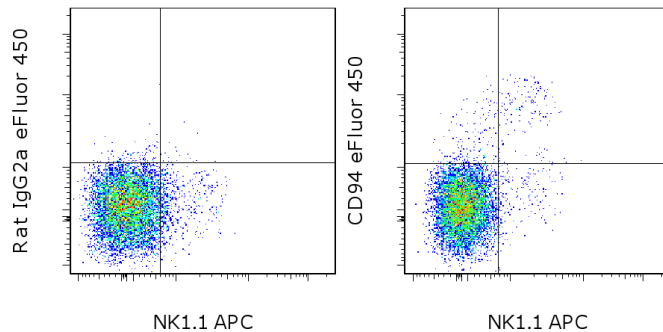


Anti-Mouse CD94 eFluor[®] 450

Catalog Number: 48-0941

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 0.06 μ g of Rat IgG2a K Isotype Control eFluor[®] 450 (cat. 48-4321) (left) or 0.06 μ g of Anti-Mouse CD94 eFluor[®] 450 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD94 eFluor[®] 450



Catalog Number: 48-0941

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

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

Applications Tested

This 18d3 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. 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.

eFluor[®] 450 is a replacement for Pacific Blue[®]. eFluor[®] 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

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

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lectins on murine natural killer cells. Eur J Immunol. 1997 Dec;27(12):3236-41.

Related Products

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

48-4321 Rat IgG2a K Isotype Control eFluor[®] 450 (eBR2a)

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