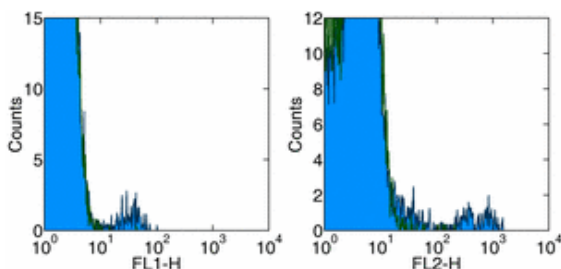


Anti-Mouse CD94 Purified

Catalog Number: 14-0941

Also Known As: KLRD1, KP43

RUO: For Research Use Only



Surface staining of mouse splenocytes with Anti-Mouse CD94 FITC (left) and PE (right). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD94 Purified

REF Catalog Number: 14-0941

Clone: 18d3

Concentration: 0.5 mg/ml

Host/Isotype: Rat IgG2a, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains 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 splenocyte suspensions. This can be used at less than or equal to 0.25 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.

References

- Vance, R. E., A. M. Jamieson, et al. (1999). "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* 190(12): 1801-12.
- Vance, R. E., J. R. Kraft, et al. (1998). "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* 188(10): 1841-8.
- Vance, R. E., D. M. Tanamachi, et al. (1997). "Cloning of a mouse homolog of CD94 extends the family of C-type lectins on murine natural killer cells." *Eur J Immunol* 27(12): 3236-41.

Related Products

- 11-4317 Streptavidin FITC
- 11-4811 Anti-Rat IgG FITC
- 12-4317 Streptavidin PE
- 13-4813 Anti-Rat IgG Biotin (Polyclonal)
- 14-4321 Rat IgG2a K Isotype Control Purified
- 17-4317 Streptavidin APC

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