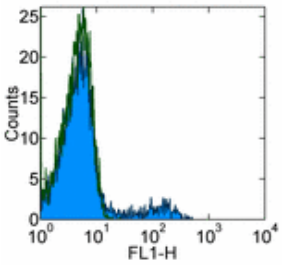
full spectrum cell analysis®
eBioscience®

Anti-Human CD94 Purified

Catalog Number: 14-0949
Also Known As:KLRD1, KP43
RUO: For Research Use Only



Staining of normal human peripheral blood cells with 0.125 µg of Mouse IgG1 κ Isotype Control Purified (cat. 14-4714) (open histogram) or 0.125 µg of Anti-Human CD94 Purified (filled histogram) followed by Anti-Mouse IgG FITC (cat. 11-4011). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD94 Purified
REF Catalog Number: 14-0949
Clone: DX22
Concentration: 0.5 mg/ml
Host/Isotype: Mouse IgG1, κ
HLDA Workshop: N/A

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The DX22 monoclonal antibody reacts with human 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 gd T cells, and NKT cells and plays an important role in adhesion and activation of NK cell lineage.

Applications Reported

The DX22 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining.

Applications Tested

The DX22 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. 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 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

Lazetic, S., C. Chang, et al. (1996). "Human natural killer cell receptors involved in MHC class I recognition are disulfide-linked heterodimers of CD94 and NKG2 subunits." J Immunol 157(11): 4741-5.
Phillips, J. H., C. Chang, et al. (1996). "CD94 and a novel associated protein (94AP) form a NK cell receptor involved in the recognition of HLA-A, HLA-B, and HLA-C allotypes." Immunity 5(2): 163-72.
Chang, C., A. Rodriguez, et al. (1995). "Molecular characterization of human CD94: a type II membrane glycoprotein related to the C-type lectin superfamily." Eur J Immunol 25(9): 2433-7.

Related Products

11-4011 Anti-Mouse IgG FITC
11-4317 Streptavidin FITC
12-4317 Streptavidin PE
13-4013 Anti-Mouse IgG Biotin (Polyclonal)
14-4714 Mouse IgG1 K Isotype Control Purified
17-4317 Streptavidin APC

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com