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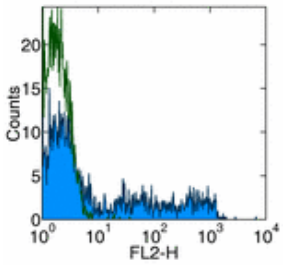
Product Information

Contents: Affinity Purified anti-human CD94
Catalog Number: 14-0949
Sizes: 25 ug, 100 ug
Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN_3
Storage Conditions: Store at 4°C. Avoid repeated freeze/thaw cycles.
Clone: DX22
Isotype: Mouse IgG1, κ
HLDA No.: N/A



Surface staining of normal human peripheral blood cells with anti-human CD94 (DX22) PE. Autofluorescence is indicated by open histogram. Cells in the lymphocyte population were used for analysis.

Available Formats of This Product				
Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-0949	FITC anti-human CD94	488	518	FC
12-0949	PE anti-human CD94	488	575	FC
14-0949	Affinity Purified anti-human CD94	N/A	N/A	FC IHC

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.

Usage

For research use only, not for diagnostic or therapeutic use. 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 100 µl blood (or per 1 million cells in 100 µl total staining volume). It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 11-0949 FITC anti-human CD94 (clone DX22)
Cat. 12-0949 PE anti-human CD94 (clone DX22)
Cat. 11-4011 FITC Anti-Mouse IgG
Cat. 13-4013 Biotin Anti-Mouse IgG (clone Polyclonal)
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
Cat. 14-4714 Affinity Purified Mouse IgG1, K Isotype Control

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.