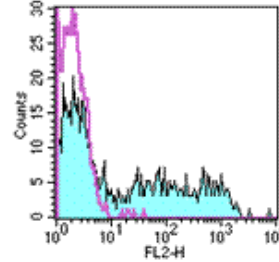


## Product Information

Contents: Phycoerythrin (PE) anti-human CD94  
Catalog Number: 12-0949  
Sizes: 25 tests, 100 tests  
Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>, 0.2% BSA  
Storage Conditions: Store at 4°C.  
DO NOT FREEZE.  
LIGHT-SENSITIVE MATERIAL.  
Clone: DX22  
Isotype: Mouse IgG1, κ  
HLDA No.: N/A



*Staining of normal human peripheral blood cells with staining buffer (autofluorescence) or PE DX22 (colored histogram). Cells in the lymphocyte gate 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.

## Applications Tested

The DX22 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 20 µl per 100 µl blood (or per 1 million cells in 100 µl total staining volume).

## Related Products

Cat. 11-0949 FITC anti-human CD94 (clone DX22)  
Cat. 14-0949 Affinity Purified anti-human CD94 (clone DX22)  
Cat. 12-4714 Phycoerythrin (PE) 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.

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