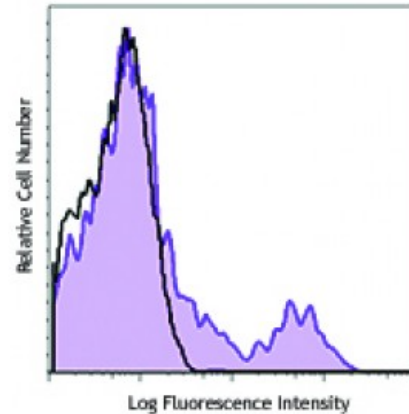


PerCP/Cy5.5 anti-human CD94

Catalog # / Size: 2127570 / 100 tests
Clone: DX22
Isotype: Mouse IgG1, κ
Immunogen: NK cell line
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration: Lot-specific



Human peripheral blood lymphocytes were stained with CD94 (clone DX22) PerCP/Cy5.5 (filled histogram) or mouse IgG1, κ PerCP/Cy5.5 isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation⁴, inhibition of NK cell-mediated lysis⁵, and immunohistochemical staining of acetone-fixed frozen tissue sections.

Application References:

1. Mizuki M, *et al.* 2000. *Sarcoidosis Vasc. Diffuse Lung Dis.* 17:54.
2. Phillip J, *et al.* 1996. *Immunity* 5:163.
3. Lazetic S, *et al.* 1996. *J. Immunol.* 157:4741.
4. Lanier LL, *et al.* 1998. *Immunity* 8:693.
5. Wooden SL, *et al.* 2005. *J. Immunol.* 175:1383.
6. Shao DD, *et al.* 2008. *J. Leukoc. Biol.* 83:1323. [PubMed](#)

Description: CD94 is a 43 kD type II transmembrane glycoprotein also known as KP43. CD94 belongs to the C-type lectin superfamily and is present as a covalently linked heterodimer with NKG2 on the cell surface. CD94 is expressed by NK cells, a subset of $\gamma\delta$ T cells, and NKT cells. The CD94/NKG2A complex serves as an inhibitory receptor specific for HLA-class I molecules.

Antigen References:

1. Lopez-Botet M, *et al.* 1997. *Immunol. Rev.* 155:165.
2. Moretta A, *et al.* 1997. *Immunol. Rev.* 155:105.