SONY

Product Data Sheet

Purified anti-human CD94

Catalog # / Size: 2127510 / 100 µg

Clone: DX22

Isotype: Mouse IgG1, κ

Immunogen: NK cell line

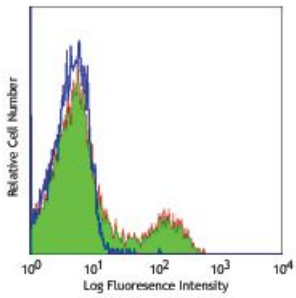
Reactivity: Human, Non-human primate

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Workshop Number: VI N-L060

Concentration: 0.5

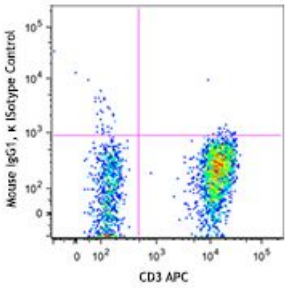


Human peripheral blood lymphocytes stained with purified DX22, followed by anti-mouse IgGs FITC

Applications:

Applications: Flow Cytometry, Immunohistochemistry

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 ≤ 0.5 µg per million cells or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



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.

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 γδ 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.

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