

APC anti-human CD94

Catalog # / Size: 305508 / 100 tests

Clone: DX22

Isotype: Mouse IgG1, κ

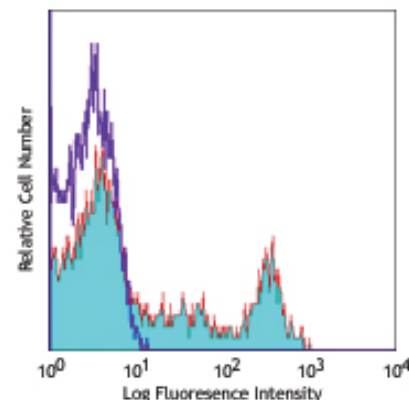
Immunogen: NK cell clone

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with DX22 APC

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

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:

- Mizuki M, *et al.* 2000. *Sarcoidosis Vasc. Diffuse Lung Dis.* 17:54.
- Phillip J, *et al.* 1996. *Immunity* 5:163.
- Lazetic S, *et al.* 1996. *J. Immunol.* 157:4741.
- Lanier LL, *et al.* 1998. *Immunity* 8:693.
- 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 $\gamma\delta$ T cells, and NKT cells. The CD94/NKG2A complex serves as an inhibitory receptor specific for HLA-class I molecules.

Antigen References:

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

| Related Products: | Product | Clone | Application |
|-------------------|---|---------|---------------|
| | APC anti-human CD16 | 3G8 | FC |
| | APC Mouse IgG1, κ Isotype Ctrl (FC) | MOPC-21 | FC |
| | Cell Staining Buffer | | FC, ICC, ICFC |
| | RBC Lysis Buffer (10X) | | FC, ICFC |
| | APC anti-human CD56 (NCAM) | MEM-188 | FC |
| | Human TruStain FcX™ (Fc Receptor Blocking Solution) | | FC, ICC, ICFC |



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