

**PERFORMANCE DATA SHEET**

2334

**Monoclonal anti-human CD94 (Kp43)\***

**mAb name/Clone:** HP-3D9

**Isotype:** Mouse IgG1

**Immunogen:** Cultured human NK cells

**CATALOG#:** 315-820 (Preservative free)

**QUANTITY:** 100 µg

**CONCENTRATION:** 1.0 mg/ml

**INFORMATION:** Human CD94 expression is restricted to natural killer (NK) cells and a small subset of T lymphocytes. CD94 is a type II membrane glycoprotein of the c-type lectin superfamily and essentially lacks a cytoplasmic tail. Antibody HP-3D9 recognizes the CD94 molecule of 70 kd. Antibody HP-3D9 inhibits IL-2 dependent proliferation of NK cells.

**References:** J. Aramburu, et al, (1990) J Immunol **144**: 3238-3247. J. Aramburu, et al, J Immunol (1991) **147**: 714-721. A. Moretta, et al, J Exp Med (1994) **180**: 545-555. C. Chang, et al, Eur J Immunol (1995) **25**: 2433-2437. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p.1437-1439.

**STORAGE CONDITIONS:** Store at 2 - 5°C. Open under aseptic conditions. Freeze/Thawing is not recommended.

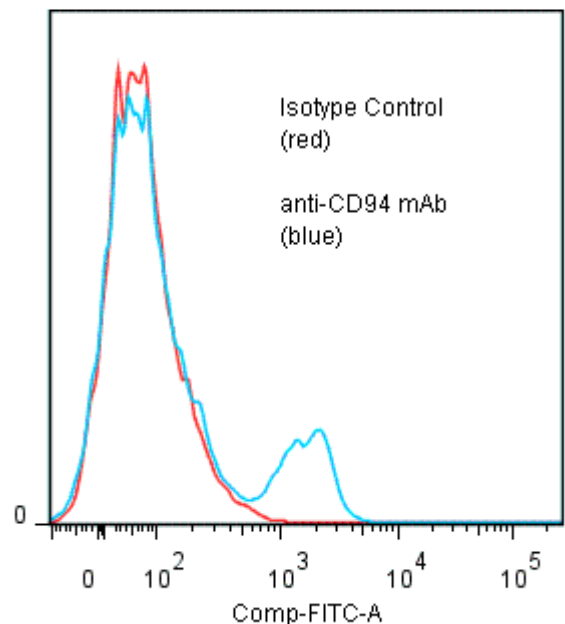
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin.

**PERFORMANCE:** Ficoll prepared human peripheral blood mononuclear cells were pre incubated ~10 minutes with 20ul of 300 ug/ml human IgG (to reduce non specific binding), after which they were incubated 45 minutes on ice with 80 µl of anti-CD94 antibody at a concentration of 5 µg/ml. Cells were washed twice and incubated with 2<sup>o</sup> reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. A net 15% sub population of the cells stained positive with a mean shift of 1.27 log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

**Binding of anti-CD94 mAb +GAM/FITC to human PBMC**



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