## PERFORMANCE DATA SHEET

1818

## Monoclonal anti-human CD134 (OX40)/FITC\*



mAb name/Clone: Ber Act 35

*Isotype:* Mouse IgG1

Immunogen: Human HUT 102 T cells

CATALOG#: 355-040
QUANTITY: 120 tests

VOLUME IN VIAL: 0.2ml
WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10<sup>5</sup>-cell test)

**INFORMATION:** Human CD134 (OX40) is an activation-associated antigen which is predominantly expressed on activated CD4 positive cells. CD134 antigen is a member of the tumor necrosis factor (TNF) receptor family of molecules and may be involved with regulating T cell-dependent B cell proliferation and differentiation. Antibody Ber Act 35 recognizes the human CD134 molecule of about 35 kd.

**References:** U. Latza et al, Eur J Immunol (1994) **24:** 677-683. E. Stuber, et al, (1995) Immunity **2:** 507-521. Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 464-465. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 1157-1160.

**STORAGE CONDITIONS:** *Store at 2 - 5<sup>o</sup>C*. 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:\_\_\_\_\_

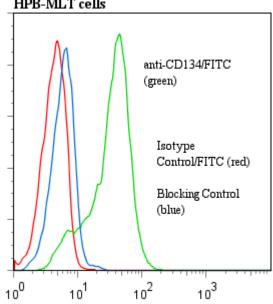
**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (as a preservative).

**PRODUCTION:** Protein A purified antibody from tissue culture supernatant was reacted with FITC.

Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at **0.5 mg/ml**.

**PERFORMANCE:** Briefly, 5 x  $10^5$  cultured **HPB-MLT** cells were washed and incubated 45 minutes on ice with 80  $\mu$ l of anti-CD134(OX40)/FITC at a 1:50 dilution factor ( $10\mu g/ml$ ). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.9**  $\log_{10}$  fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040). Binding was blocked when cells were pre incubated 10 minutes with 20  $\mu$ l of 0.5 mg/ml anti-CD134 antibody (Catalog #355-020).

Binding of anti-CD134/FITC to human HPB-MLT cells



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<sup>\*</sup> Research Use Only. Not for use in Diagnostic procedures.