

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 5×10^5 -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°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_3 (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, 5×10^5 cultured HPB-MLT cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD134(OX40)/FITC at a 1:50 dilution factor (10µg/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 µl of 0.5 mg/ml anti-CD134 antibody (Catalog #355-020).

* Research Use Only. Not for use in Diagnostic procedures.

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

