PERFORMANCE DATA SHEET
2444

Monoclonal anti-human CD134 (OX40)/Biotin*

mAb name/Clone: **Ber Act 35**
Isotype: Mouse IgG1
Immunogen: Human HUT 102 T cells

CATALOG#: 355-030
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

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^{o}C.*** Freeze/thawing not recommended.

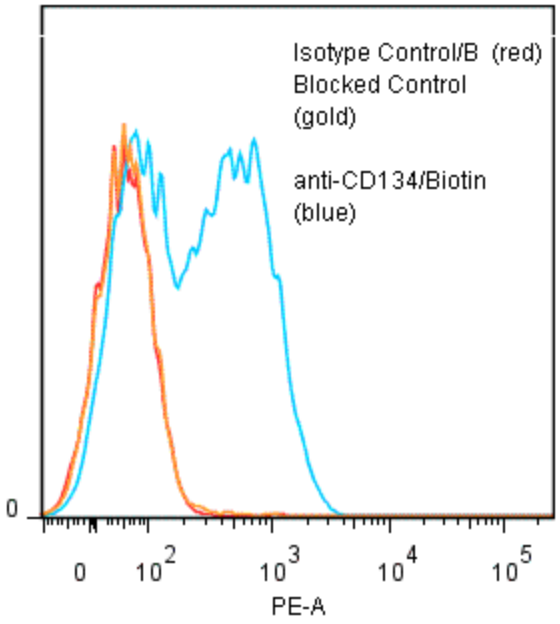
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

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: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Five x 10^5 cultured **HPB-MLT** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD134/Biotin at a concentration of **10 µg/ml.** Cells were washed twice and incubated with 2^o reagent Streptavidin/R-Phycoerythrin (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS. A 56% sub population of the cells stained positive with a mean shift of **1.07** $\log_{10}$ fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030) at a similar concentration. Binding was blocked when cells were pre incubated with 20 µl of 0.5 mg/ml anti-CD134 antibody (cat# 355-020).

Binding of anti-CD134/Biotin +SA/PE to human HPB-MLT cells



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