PERFORMANCE DATA SHEET
1936

Monoclonal anti-human CD252(CD134L, OX40L)/FITC*

mAb name/Clone: **ANC10G1**
Isotype: Mouse IgG1κ
Immunogen: Human HUVEC and Recombinant soluble human CD134L

CATALOG#: 400-040
QUANTITY: 120 tests **VOLUME IN VIAL: 0.2ml**
WORKING DILUTION: 1:50 (or use1.6µl of concentrated stock per 5 x 10^5-cell test)

INFORMATION: Human CD134L (OX-40 Ligand) is a type II membrane protein with homology to TNF which is expressed on activated B cells and activated endothelial cells. CD134L binds to CD134 present on activated T cells, providing a costimulatory signal (1). This pathway seems to be more effective for costimulation of CD4+ helper T cells than for CD8+ effector T cells (4). Blockade of this interaction in mouse abrogated immunological effects in several models of inflammation and rejection (5,6,7,8). Antibody from clone ANC10G1 binds to CD134L on the cell surface of HUVEC in Flow cytometry, and blocks binding of recombinant CD134-muIg.

References: **1)** W. R. Godfrey, et al, (1994) *J Exp Med* 180: 757-763. **2)** L.M. Higgins, et al, (1999) *J Immunol* 162: 486-493. **3)** A.D. Weinberg, et al, (1999) *J Immunol* 162: 1818-1826. **4)** V.Y. Taraban, et al, (2002) *Eur J. Immunol*. 32: 3617-3627. **5)** V. Malmstrom, et al, (2001) *J Immunol* 166: 6972. 6) C. Nohara, et al, (2001) *J Immunol* 166: 2108-2115. **7)** X. Yuan, et al, (2003) *J Immunol* 170: 2949-2955. **8)** L. Tian, et al, (2002) *Transplantation* 74(1): 133-138.

STORAGE CONDITIONS: ***Store at 2 - 5°C***. Freeze/Thawing is not recommended. Protect from light.

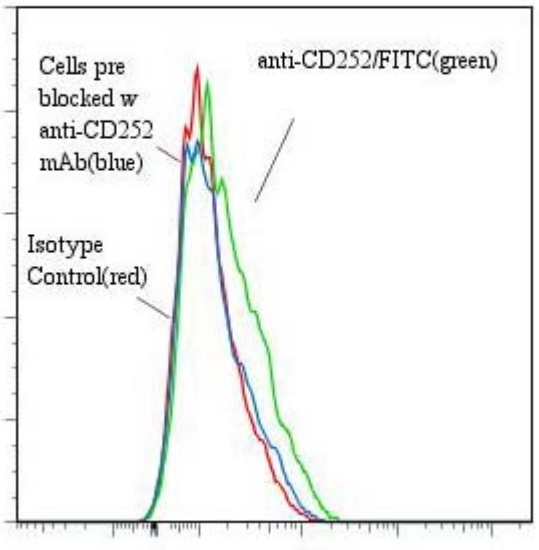
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

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 approximately **0.5 mg/ml** with a Fluorescein/IgG molar ratio of 8.1.

PERFORMANCE: Cultured **human umbilical cord vein endothelial cells** (HUVEC) were harvested by trypsinization, after which 5 x 10^5 cells per tube were washed and incubated 45 minutes on ice with 80 µl of anti-CD252/FITC at a **1:50** dilution (10µg/ml). They were then washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.2** $\log_{10}$ fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD252 antibody (Catalog #400-020).

Binding of anti-CD252/FITC to HUVEC



****This Product is intended for Laboratory Research use only.***

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