PERFORMANCE DATA SHEET
3326

Monoclonal anti-human CD252 (CD134L, OX40L)*

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

CATALOG#: 400-820 (Preservative-free)
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

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.

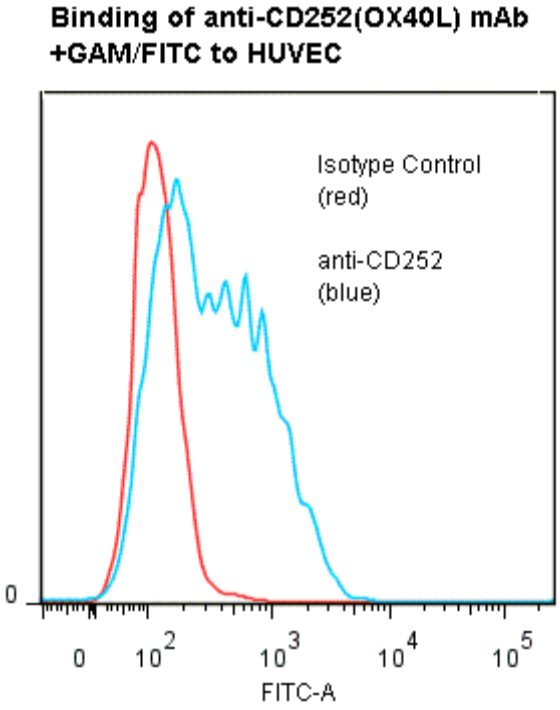
STORAGE CONDITIONS: ***Store at 2 - 5^{O}C***. Freeze/Thawing is not recommended. ***Open under aseptic conditions.***

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. Product was 0.2µ sterile filtered and vialed under aseptic conditions.

PERFORMANCE: Cultured **human umbilical cord vein endothelial cells** were harvested by trypsinization, after which they were washed and incubated 45 minutes on ice with 80 µl of anti-CD134L antibody at **10 ug/ml**. Cells were washed twice and incubated with 2^{O} reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.76** $\log_{10}$ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).



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

Ancell Corporation P.O. Box 87 Bayport, MN 55003-0087 USA
Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940