PERFORMANCE DATA SHEET

2045

Monoclonal anti-human CD137 L (4-1BB Ligand)*



mAb name/Clone: ANC5D6 *Isotype:* Murine IgG2aκ

Immunogen: Recombinant human CD137L

CATALOG#: 365-020 QUANTITY: 100 μg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD137 Ligand is a type II transmembrane protein constitutively expressed by monocytes, B cells neuroblastoma cells (1), and some activated T cells. The interaction of CD137 (4-1BB) and CD137L can supply a costimulatory signal to T cells through CD137. This costimulus seems to be more effective for CD8+ effector T cells than for CD4+ helper T cells (3). The interaction can also effect a reverse signal, inducing monocyte activation (2), or T cell inactivation and programmed death (4) through CD137L.

Anti-CD137L antibody binds to CD137L present on Raji and U-937 cells, and also binds to recombinant CD137L-muCD8 in EIA. This antibody does not block the interaction between CD137 and CD137L.

References: 1) M.R. Alderson, et al, (1994) Eur J Immunol **24**: 2219-2227. **2**) J. Langstein, et al, (1998) J Immunol **160**: 2488-2494 . **3**) V.Y. Taraban, et al, (2002) *Eur J. Immunol*. 32: 3617-3627. **4**) H. Schwartz, et al, (1996) Blood **87**: 2839. **5**) G. Zhu, et al, (2001) J Immunol **167**: 2671-6.

STORAGE CONDITIONS: *Store at 2 - 5^oC*. Freeze/Thawing is not recommended.

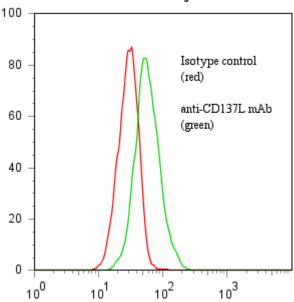
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

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.

PERFORMANCE: Five x 10^5 cultured **Raji** human tumor cells were incubated 45 minutes on ice with 80 μ l of anti-CD137L antibody at **10** μ g/ml. Cells were washed twice and incubated with 2^0 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 **0.29** \log_{10} fluorescent units when compared to a Mouse IgG2a negative control (Catalog #281-010) at a similar concentration.

Binding of anti-CD137L antibody + GAM/FITC to human Raji cells



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