

PERFORMANCE DATA SHEET

3023

Monoclonal anti-human CD270(HVEM)*

mAb name/Clone: ANC3B7

Isotype: Mouse IgG2a κ

Immunogen: Recombinant human CD270-muIg fusion protein

CATALOG#: 270-020

QUANTITY: 100 μ g

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD270 (Herpes Virus Entry Mediator, TNFRSF14, ATAR, LIGHTR, TR2) is a 36kd type I membrane protein that has been found on a broad range of lymphoid tissues. Its ligands include the TNF Ligand family members L α and LIGHT, and the CD28/Ig Superfamily member BTLA(2). Antibody ANC3B7 is reactive with recombinant CD270 in EIA, and binds to CD270 present on human U-937 cell surface in Flow Cytometry.

REFERENCES: (1) Hsu H, et al. (1997) *J Biol Chem* **272**:13471. (2) Gonzalez LC, et al. (2005) *PNAS* **102**(4): 1116-1121.

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

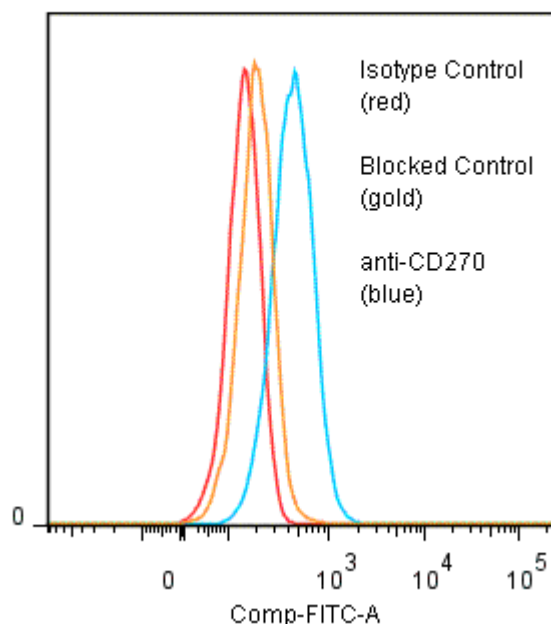
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 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 with less than 1% Bovine Immunoglobulin.

PERFORMANCE: Five x 10⁵ cultured human U-937 cells per tube were washed and pre incubated 5 minutes with 20 μ l human IgG at 250 μ g/ml (to block non specific binding) after which they were incubated 45 minutes on ice with 80 μ l of product at a concentration of 5 μ g/ml. Cells were washed twice and incubated with 50 μ l of 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 0.5 log₁₀ fluorescent units when compared to a Mouse IgG2a negative control (Catalog # 281-010). Binding was blocked when antibody was pre incubated with 1 10-fold excess of recombinant CD270-muIg (Cat #531-020).

Binding of anti-CD270(HVEM) mAb +GAM/FITC to human U-937 cells



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