

# PERFORMANCE DATA SHEET

3102

## Monoclonal anti-human CD270(HVEM)\*

**mAb name/Clone:** ANC3B7

**Isotype:** Mouse IgG2a $\kappa$

**Immunogen:** Recombinant human CD270-muIg fusion protein

**CATALOG#:** 270-820 (Preservative-free)

**QUANTITY:** 100  $\mu$ 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 Lt $\alpha$  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. Open under aseptic conditions.

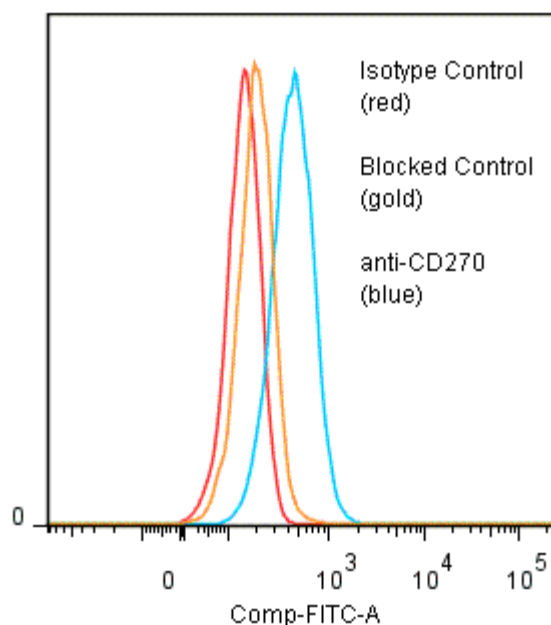
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**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 0.2 $\mu$  sterile filtered and vialled under aseptic conditions.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured human U-937 cells per tube were washed and pre incubated 5 minutes with 20  $\mu$ l human IgG at 250  $\mu$ g/ml (to block non specific binding) after which they were incubated 45 minutes on ice with 80  $\mu$ l of product at a concentration of 5  $\mu$ g/ml. Cells were washed twice and incubated with 50  $\mu$ l of 2<sup>o</sup> 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 log<sub>10</sub> 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.