

PERFORMANCE DATA SHEET

1904

Monoclonal anti-human CD270(HVEM)/FITC*

mAb name/Clone: ANC3B7

Isotype: Mouse IgG2ak

Immunogen: Recombinant human CD270-muIg fusion protein

CATALOG#: 270-040

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2ml

WORKING DILUTION: (or use 1.6µl of concentrated stock per 5 x 10⁵-cell test)

INFORMTION: 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 Ltα 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. 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% NaN₃ (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 **1.0 mg/ml** with a Fluorescein/IgG molar ratio of 8.6.

PERFORMANCE: Five x 10⁵ cultured human **U-937** cells per tube were washed and pre incubated 5 minutes with 20 µl human IgG at 250 µg/ml (to block non specific binding) after which they were incubated 45 minutes on ice with 80 µl of product at a **1:50** dilution (20 µg/ml). Cells were washed three times and analyzed by FACS. Cells stained positive with a mean shift of **0.55 log₁₀** fluorescent units when compared to a Mouse IgG2a/FITC negative control (Catalog #281-040) at a similar concentration. Binding was blocked when the reagent was pre incubated with a 5-fold excess of recombinant CD270-muIg (cat #531-020).

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

Binding of anti-CD270/FITC to human U-937 cells

