PERFORMANCE DATA SHEET 2024 Monoclonal anti-human CD270(HVEM)/FITC*



mAb name/Clone: ANC3B7 *Isotype:* Mouse IgG2aκ *Immunogen:* Recombinant human CD270-muIg fusion protein

CATALOG#: 270-040VOLUME IN VIAL: 0.2mlQUANTITY: 120 testsVOLUME IN VIAL: 0.2mlWORKING 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.

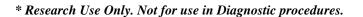
STORAGE CONDITIONS: Store at 2 - 5^oC. Freeze/Thawing is not recommended. Protect from light.

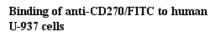
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

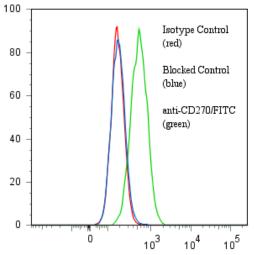
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

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 10.4.

PERFORMANCE: Five x 10^5 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). Binding was blocked when the reagent was pre incubated with a 5-fold excess of recombinant CD270-muIg (cat #531-020).







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