

PERFORMANCE DATA SHEET

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Monoclonal anti- human CD269(BCMA)/APC*

mAb name/Clone: ANC3B1

Isotype: Mouse IgG1κ

Immunogen: Recombinant human CD269

CATALOG#: 269-060

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6μl of concentrated stock per 5 x 10⁵-cell test)

INFORMATION : Human CD269 (BCMA, B cell maturation antigen) is predominantly expressed by mature B cells and is a type I TNF superfamily receptor member (TNFRSF17). It is highly specific for its ligand CD257 (BAFF, Blys). Antibody ANC3B1 binds to recombinant CD269 (but not CD268) in EIA and native CD269 expressed on Raji cell surface. It blocks binding of recombinant soluble CD257(BAFF)trn-muCD8(cat# 525-020) to recombinant CD269(BCMA)-mulg (cat# 519-020) in EIA.

REFERENCES: 1) Schneider P., J. Tschopp, et al. *J. Exp. Med.* 1999, 189(11):1747-1756

STORAGE CONDITIONS: Store at 2 - 5°C. Do not freeze! 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, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was conjugated to cross-linked Allophycocyanin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at 0.5 mg/ml.

PERFORMANCE: Five x 10⁵ cultured Raji cells were washed and pre incubated ~5 minutes with 20 μl of 250 μg/ml human IgG (to block nonspecific binding) after which they were incubated 45 minutes on ice with 80 μl of anti-CD269/APC at a dilution factor of 1:50 (10 μg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 0.91 log₁₀ fluorescent units when compared to a Mouse IgG1/R-PE Isotype control (Catalog #278-060). Binding was blocked when cells were pre incubated 10 minutes with 20 μl of 0.5 mg/ml anti-CD269 antibody (Catalog #269-020).

***Research use only. Not for use in Diagnostic Procedures.**

Binding of anti-CD269/APC to human Raji cells

