

Monoclonal anti-human CD269 (BCMA) /Biotin*

mAb name/Clone: ANC3B1

Isotype: Mouse IgG1κ

Immunogen: Recombinant human CD269

CATALOG#: 269-030

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

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)-muIg (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. Freeze/thawing 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, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Five x 10⁵ cultured Raji cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD269/Biotin at a concentration of 10 µg/ml. Cells were washed twice and incubated with 2^o reagent Streptavidin/R-Phycoerythrin (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 0.58 log₁₀ fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with anti-CD269 antibody (Catalog #269-020).

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

Binding of anti-CD269(BCMA)/Biotin +SA/PE to human Raji cells

