

## Mouse anti-Human CD269 Monoclonal Antibody | anti-CD269 antibody

anti-human CD269 (BCMA)-R-PE

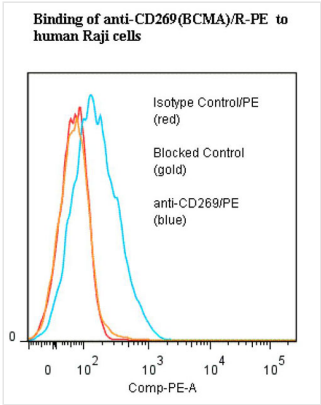
| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                            |
|-----------|-------|------------|-----------------------------------------|
| AAA78168  | Mouse | Human      | ELISA, Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

CD269; Monoclonal Antibody; anti-human CD269 (BCMA)-R-PE; Monoclonal anti-human CD269(BCMA)/R-PE; anti-CD269 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype                                         | IgG1k                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Clone Number                                    | ANC3B1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Form/Format                                     | 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN <sub>3</sub> (as a preservative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Concentration                                   | 0.2 mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Applicable Applications for anti-CD269 antibody | ELISA, FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Performance                                     | Five x 10 <sup>5</sup> cultured Raji cells were washed and pre incubated ~5 minutes with 20ul of 250ug/ml human IgG (to block nonspecific binding) after which they were incubated 45 minutes on ice with 80 ul of anti-CD2693/R-PE at a dilution factor of 1:50 (10 ug/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 0.51 log10 fluorescent units when compared to a Mouse IgG1/R-PE negative control at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 ul of 0.5 mg/ml anti-CD269 antibody. |
| Conjugation                                     | PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Production                                      | Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at 0.5 mg/ml with an A <sub>565</sub> /A <sub>280</sub> ratio of 2.87.                                                                                                                                                                                                                                                                                                           |
| Immunogen                                       | Recombinant human CD269                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Working Cone                                    | 10ug/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| QC Test Method                                  | FC binding of Raji cells :<br>Specification: >0.3 log shift<br>Result: 0.32 log shift<br><br>OD565/280 ratio:<br>Specification: 2.6-3.8<br>Result: 2.87                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage                         | Store at 2 - 5 degree C. Do not freeze! Protect from light.<br>Product should retain activity for at least 12 months after shipping date when stored as recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                       |



Application Data

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD269 antibody | <b>Information:</b> 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 to recombinant CD269(BCMA)-mulg in EIA. |
| References                                          | 1) Schneider P., J. Tschopp, et al. J. Exp. Med. 1999, 189(11):1747-1756                                                                                                                                                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd269-antibody-clone-anc3b1-flow-cytometry-elisa/78168>