## PERFORMANCE DATA SHEET

2414

## Ancell

## Monoclonal anti-human CD268(BAFFR)/R-PE\*

mAb name/Clone: ANC268.2/6E6

*Isotype:* Mouse IgG1κ

Immunogen: Recombinant human CD268

CATALOG#: 275-050
QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml
WORKING DILUTION: 1:50 (or use 1.6µl of concentrated reagent per 5 x 10<sup>5</sup>-cell test)

**INFORMATION:** Human CD268 (BAFFR, BAFF receptor) is a type I TNF superfamily receptor member #13c. It is highly specific for CD257 (BAFF)., which itself does bind to other receptors TACI, and BCMA. CD268 expressed on B cells and its ligation by CD257 (BAFF) regulates maturation (1). Antibody ANC268.2 binds to recombinant CD268 (but not CD269) in EIA and native CD268 expressed on Raji cell surface.

**REFERENCES:** 1) Thompson, J S, C Ambrose, et al. (2001) *Science* **293**(5537): 2108-2111.

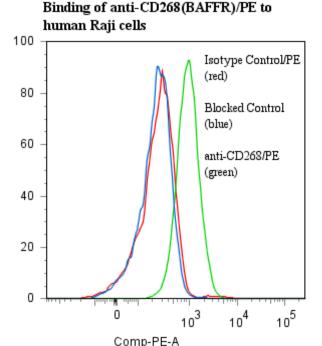
STORAGE CONDITIONS: Store at 2 - 5°C. Do not freeze! Protect from light.

**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% NaN<sub>3</sub> (as a preservative).

**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 a PE: mAb ratio of 0.85:1.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured human **Raji** cells per tube were washed and incubated 45 minutes on ice with 80 μl of anti-CD268/R-PE 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 **0.52** log<sub>10</sub> fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog #278-050) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 μl of 0.5 mg/ml anti-CD268 antibody (Catalog #275-020).



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<sup>\*</sup> Research Use Only. Not for use in Diagnostic procedures.