

## PE anti-human CD267 (TACI)

**Catalog # / Size:** 311906 / 100 tests

**Clone:** 1A1

**Isotype:** Rat IgG2a,  $\kappa$

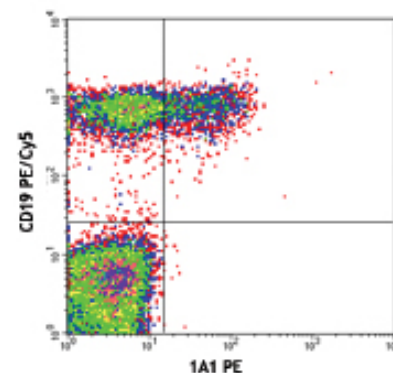
**Immunogen:** TACI-transfected RBL cells

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with CD19 PE/Cy5 and 1A1 PE

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20  $\mu$ l to 5  $\mu$ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100  $\mu$ l staining volume or per 100  $\mu$ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at [www.biolegend.com/testsize](http://www.biolegend.com/testsize) regarding the test size change.

**Application References:** 1. Ng LG, *et al.* 2004. *J. Immunol.* 173:807. (FC)

**Description:** TACI, Transmembrane Activator CAML (calcium modulator and cyclophilin ligand) Interactor, is a 32 kD type III transmembrane protein. It belongs to TNF receptor superfamily, known as TNFRSF member 13B (TNFRSF13B) or CD267. TACI is expressed on B cells, and myeloma cells. TACI contains 2 cysteine-rich domains (CRDs). Recent studies, however, have shown that another shorter form (TACI\_d2) of TACI exists wherein the N-terminal CRD is removed by alternative splicing. TACI\_d2 contains full affinity for its ligands. Several proteins (BAFF/BLys, APRIL, Syndecan-2) have been identified as TACI ligands. The interaction of TACI with its ligands induces activation of the transcription factors NFAT, AP1, and NF- $\kappa$  B and plays a crucial role in humoral immunity by negative regulation of B cell proliferation and survival.

**Antigen References:** 1. Gross JA, *et al.* 2000. *Nature* 404:995.  
2. Wu Y, *et al.* 2000. *J. Biol Chem.* 275:35478.  
3. Yan M, *et al.* 2001. *Nat. Immunol.* 2:638.  
4. Hymowitz A, *et al.* 2005. *J. Biol. Chem.* 280:7218.  
5. Bischof D, *et al.* 2006. *BLOOD* 107:3235.

### Related Products:Product

Cell Staining Buffer  
RBC Lysis Buffer (10X)  
PE Rat IgG2a,  $\kappa$  Isotype Ctrl  
PE anti-human CD268 (BAFF-R)  
Human TruStain FcX™ (Fc Receptor Blocking Solution)

### Clone

RTK2758  
11C1

### Application

FC, ICC, ICFC  
FC, ICFC  
FC, ICFC  
FC  
FC, ICC, ICFC



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