

**PE/Dazzle™ 594 anti-human CD267 (TACI)**

**Catalog # / Size:** 2159550 / 100 tests  
2159545 / 25 tests

**Clone:** 1A1

**Isotype:** Rat IgG2a, κ

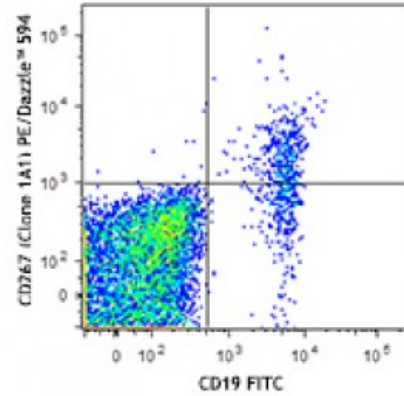
**Immunogen:** TACI-transfected RBL cells

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 and unconjugated antibody.

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

**Concentration:** Lot-specific

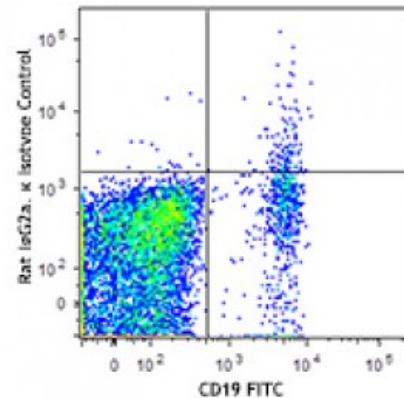


Human peripheral blood lymphocytes were stained with CD19 and CD267 (clone 1A1) PE/Dazzle™ 594 (top image) or rat IgG2a, κ PE/Dazzle™ 594 isotype control (bottom image).

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



\* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

**Application References:** 1. Ng LG, *et al.* 2004. *J. Immunol.* 173:807. (FC)  
2. Lougaris V, *et al.* 2012. *Hum Immunol.* 73:836. [PubMed.](#)

**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-κ 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.*