

## Purified anti-human CD267 (TACI)

**Catalog # / Size:** 311902 / 100 µg

**Clone:** 1A1

**Isotype:** Rat IgG2a, κ

**Immunogen:** TACI-transfected RBL cells

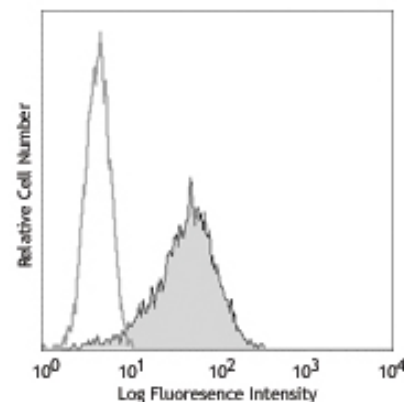
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C.



Human TACI transfected cells stained with purified 1A1, followed by anti-rat IgGs-FITC

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is  $\leq 2.0$  µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**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. Chem.* 280:7218.
5. Bischof D, *et al.* 2006. *BLOOD* 107:3235.

Related Products:	Product	Clone	Application
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	Purified anti-human CD268 (BAFF-R)	11C1	FC, IHC
	Purified Rat IgG2a, κ Isotype Ctrl	RTK2758	FC, ICC, IF, IHC, IP, WB



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