

Product Data Sheet

Biotin anti-human CD267 (TACI)

Catalog # / Size: 311903 / 25 µg
311904 / 100 µg

Clone: 1A1

Isotype: Rat IgG2a, κ

Immunogen: TACI-transfected RBL cells

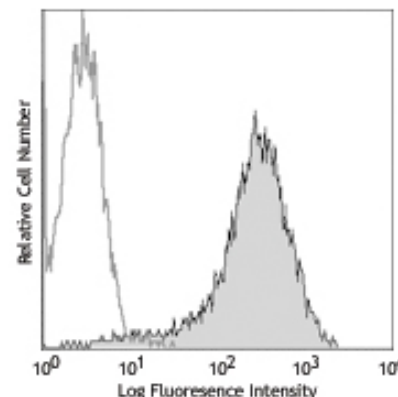
Reactivity: Human

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

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. **Do not freeze.**



Human TACI transfected cells stained with biotinylated 1A1, followed by Sav-PE

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 ≤0.5 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)

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
Cell Staining Buffer
RBC Lysis Buffer (10X)
Biotin Rat IgG2a, κ Isotype Ctrl
FITC 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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