SONY

Product Data Sheet

APC anti-human CD267 (TACI)

Catalog # / Size: 2159555 / 25 tests
2159560 / 100 tests

Clone: 1A1

Isotype: Rat IgG2a, κ

Immunogen: TACI-transfected RBL cells

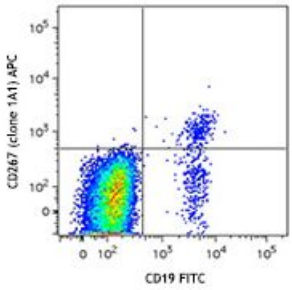
Reactivity: Human, Non-human primate, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.

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

Workshop Number: HCDM listed

Concentration: Lot-specific

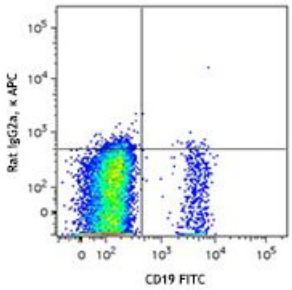


Human peripheral blood lymphocytes were stained with CD19 FITC and CD267 (clone 1A1) APC (top image) or rat IgG2a, κ APC isotype control. (bottom image).

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 µl per million cells or 5 µl per 100 µl of whole blood. 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-κB and plays a crucial role in humoral immunity by negative regulation of B cell proliferation and survival.

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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.

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