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30-1081-B: Anti-CD267 / TACI -Biotin Conjugated Monoclonal Antibody (Clone:1A1)

Clonality :	Monoclonal
Clone Name :	1A1
Application :	FACS
Reactivity :	Human
Conjugate :	Biotin
Gene :	TNFRSF13B
Gene ID :	23495
Uniprot ID :	O14836
Alternative Name :	TNFRSF13B,TACI
Isotype :	Rat IgG2a kappa
Immunogen Information :	CD267-transfected RBL cells

Description

Specificity: The rat monoclonal antibody 1A1 recognizes an extracellular epitope of CD267 / TACI, a 32 kDa type III transmembrane protein expressed by B cells and possibly by some activated T cells.

CD267 / TACI (Transmembrane Activator Calcium modulator and cyclophilin ligand Interactor), a TNFR superfamily transmembrane protein, is expressed on B cells (predominantly on CD27+ memory cells), multiple myeloma cells and B cell chronic lymphocytic leukemia (B-CLL). Its triggering leads to activation of the transcription factors NFAT, AP1, and NF-kappa-B. It plays a crucial role in humoral immunity. Mutations in CD267 are associated with common variable immunodeficiency and IgA deficiency.

Product Info

Amount :	0.1 mg
Purification :	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.
Content :	Concentration: 1 mg/ml Content: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-5 µg/ml.

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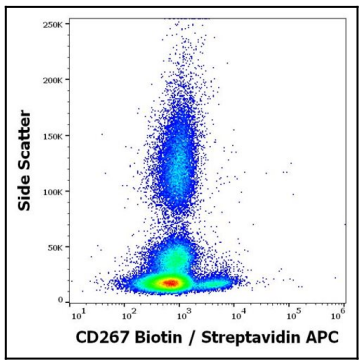

Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD267 (1A1) Biotin antibody (concentration in sample 1.67 µg/ml, streptavidin APC).

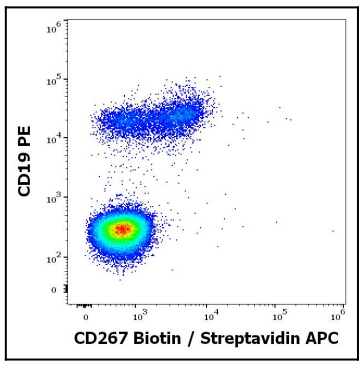

Figure 2: Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD19 (LT19) PE antibody (20 µl reagent / 100 µl of peripheral whole blood) and anti-human CD267 (1A1) Biotin antibody (concentration in sample 1.67 µg/ml, streptavidin APC).

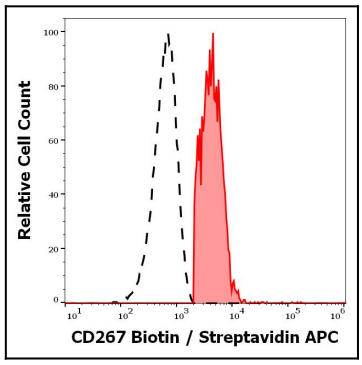

Figure 3: Separation of human CD19 positive CD267 positive B cells (red-filled) from CD19 negative CD267 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD267 (1A1) Biotin antibody (concentration in sample 1.67 µg/ml, streptavidin APC).