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30-2607: Anti-Human CD267 APC (Clone : 1A1)

Clonality :	Monoclonal
Clone Name :	1A1
Application :	FACS
Reactivity :	Human
Conjugate :	APC
Gene :	TNFRSF13B
Gene ID :	23495
Alternative Name :	RYZN, TACI, CVID2, IGAD2, TNFRSF14B,TNF receptor superfamily member 13B
Isotype :	Rat IgG2a kappa
Immunogen Information :	CD267-transfected RBL cells

Description

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.
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.

Product Info

Amount :	100 tests
Purification :	The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Content :	Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10 ÃÂµl reagent / 100 ÃÂµl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

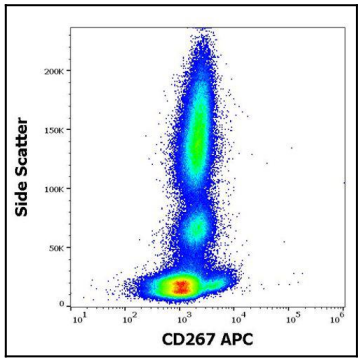

Figure 1 : Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD267 (1A1) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

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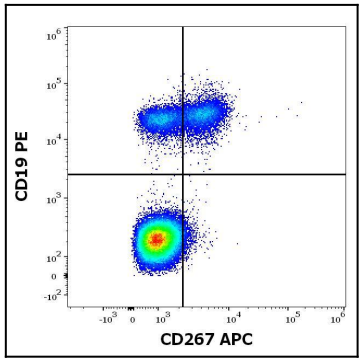

Figure 2 : Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD267 (1A1) APC antibody (10 µl reagent / 100 µl of peripheral whole blood) and anti-human CD19 (LT19) PE antibody (20 µl reagent / 100 µl of peripheral whole blood) antibody.

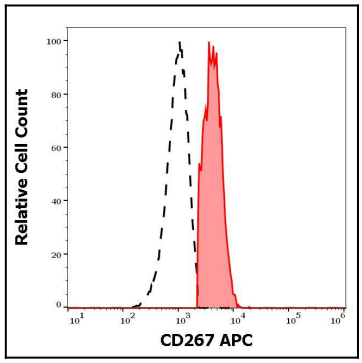

Figure 3 :Separation of human CD267 positive CD19 positive B cells (red-filled) from human CD267 negative CD19 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD267 (1A1) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

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