

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

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

<b>Amount :</b>	100 tests
<b>Purification :</b>	The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
<b>Content :</b>	Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
<b>Storage condition :</b>	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  $\mu$ l reagent / 100  $\mu$ l of whole blood or 10<sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

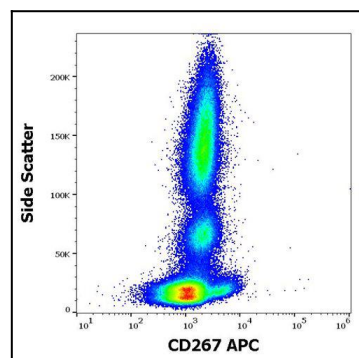


Figure 1 : Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD267 (1A1) APC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).

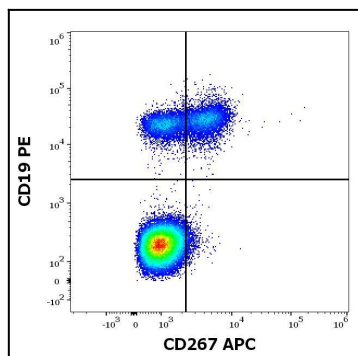


Figure 2 : Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD267 (1A1) APC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood) and anti-human CD19 (LT19) PE antibody (20  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood) antibody.

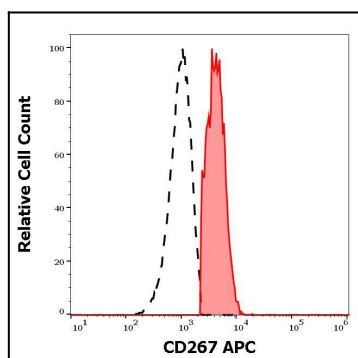


Figure 3 : Separation of human CD267 positive CD19 positive B cells (red-filled) from human CD267 negative CD19 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD267 (1A1) APC antibody (10  $\mu$ l reagent / 100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