Datasheet for ABIN6240815

anti-TACI antibody (APC)

3 Images

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Overview

Quantity:	100 tests
Target:	TACI (TNFRSF13B)
Reactivity:	Human
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This TACI antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	CD267-transfected RBL cells
Clone:	1A1
Isotype:	IgG2a kappa
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.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	TACI (TNFRSF13B)

Target Details

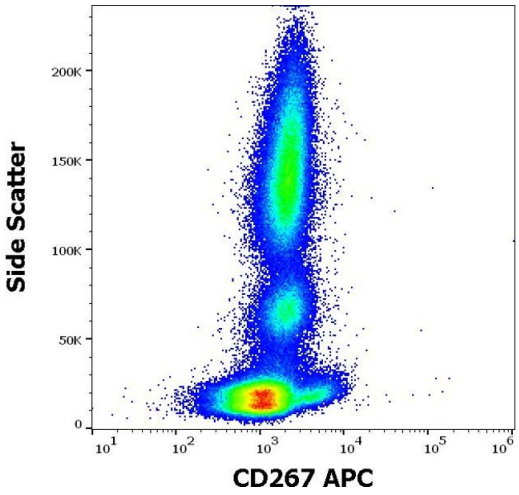
Alternative Name:	CD267 / TACI (TNFRSF13B Products)
Background:	TNF receptor superfamily member 13B,CD267 / TACI (transmembrane activator calcium modulator and cyclophilin ligand interactor), a TNFR superfamily transmembrane protein, is expressed on B cells (predominantly on CD27+ memory cells), multiple 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.,RYZN, TACI, CVID2, IGAD2, TNFRSF14B
Gene ID:	23495
UniProt:	O14836

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

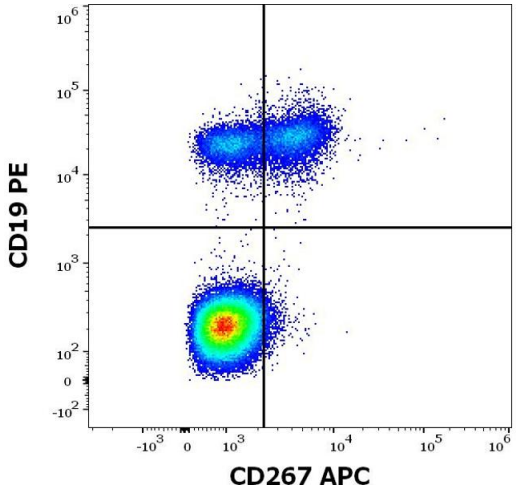
Handling

Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



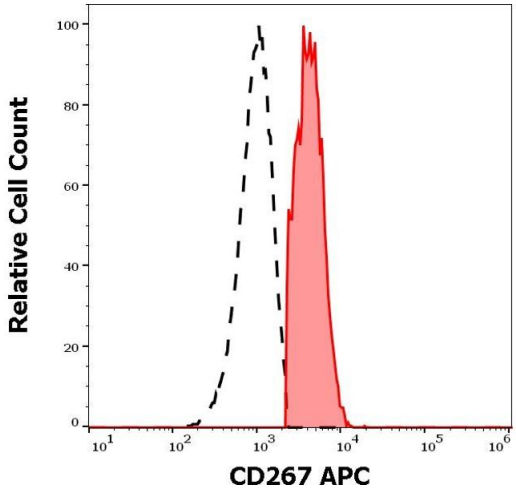
Flow Cytometry

Image 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).



Flow Cytometry

Image 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.



Flow Cytometry

Image 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).

