

Technical Data Sheet

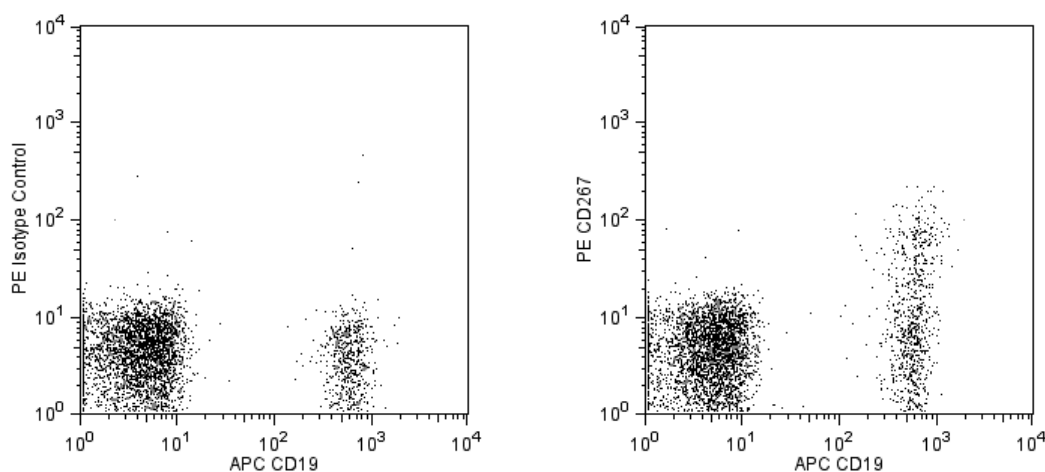
PE Rat anti-Human CD267

Product Information

Material Number:	558414
Alternate Name:	TACI
Size:	0.1 mg
Concentration:	0.2 mg/ml
Clone:	1A1-K21-M22
Immunogen:	Human RBL
Isotype:	Rat IgG2a, κ
Reactivity:	Human
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

Antibody 1A1-K21-M22 reacts with CD267 (TACI) a 32 kDa, type III transmembrane protein receptor that binds to the ligands BAFF (BLyS), and APRIL. BAFF overproduction is associated with lupus erythematosus and Sjögren's disease, two systemic autoimmune diseases. CD267 is expressed most notably on maturing subsets of splenic B cells such as transition type 2 (T2) and marginal zone (MZ) B cells. In CD267 deficient mice, B cell numbers are increased and mice develop autoimmune disorders suggesting that CD267 plays a role in B cell regulation.



Flow cytometric analysis of PE-conjugated anti-Human CD267 in human peripheral blood lymphocytes. Human peripheral blood lymphocytes were stained with APC-conjugated anti-human CD19 (Clone HIB19; Cat. No. 555415) and PE-conjugated anti-human CD267 antibody (Clone 1A1-K21-M22, Cat. No. 558414; right panel) or PE-conjugated rat IgG2a (Clone R35-95, Cat. No. 553930; left panel). Flow cytometry was performed on a BD™ FACSCalibur flow cytometry system and the dot plots were derived from the gated events based on light scattering characteristics of lysed whole blood.

Preparation and Storage

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed. Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry

Tested

Product Notices

- Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
- Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

BD Biosciences

bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.268.5430	32.53.720.550	0120.8555.90	65.6861.0633	0800.771.7157

For country-specific contact information, visit bdbiosciences.com/how_to_order/

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2011 BD



References

- Ng LG, Sutherland AP, Newton R, et al. B cell-activating factor belonging to the TNF family (BAFF)-R is the principal BAFF receptor facilitating BAFF costimulation of circulating T and B cells. *J Immunol.* 2004; 173(2):807-817. (Biology)
- O'Connor BP, Raman VS, Erickson LD, et al. BCMA is essential for the survival of long-lived bone marrow plasma cells. *J Exp Med.* 2004; 199(1):91-98. (Biology)
- Seshasayee D, Valdez P, Yan M, Dixit VM, Tumas D, Grewal IS. Loss of TACI causes fatal lymphoproliferation and autoimmunity, establishing TACI as an inhibitory BLYS receptor. *Immunity.* 2003; 18(2):279-288. (Biology)