

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com **OriGene Technologies GmbH**

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info-de@origene.com

AM26519RP-N Monoclonal Antibody to CD268 / BAFFR - PE

Alternate names:	B cell-activating factor receptor, BAFF receptor, BAFF-R, BLyS receptor 3, BR3, TNFRSF13C, Tumor necrosis factor receptor superfamily member 13C
Quantity:	50 Tests
Background:	BAFF (B cell-activating factor belonging to the TNF family) is a membrane protein expressed by dendritic cells, monocytes, macrophages, follicular dendritic cells, activated T cells, activated neutrophils, and malignant B cells. BAFF, also known as BLyS (B lymphocyte stimulator), is a potent B cell growth factor. Proteolytic cleavage can result in the release of a soluble trimeric BAFF which binds to the BAFF-R/BR3, BCMA and TACI. BAFF-R/BR3 is the principal receptor for B cell survival and responses induced by BAFF.
Uniprot ID:	<u>Q96RI3</u>
NCBI:	<u>NP_443177.1</u>
GenelD:	<u>115650</u>
Host / Isotype:	Mouse / IgG2a
Clone:	8A7
Immunogen:	Human CD268/BAFF-R/BR3 transfectant
Format:	State: Liquid Ig fraction Purification: Protein A agarose Buffer System: 50 tests in 1 mL volume of PBS containing 1% BSA and 0.09% NaN ₃ Label: PE
Applications:	Flow cytometry: 20 µl (ready for use). For details see protocol below. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with human CD268/BAFF-R/BR3.
Add. Information:	This product was originally produced by MBL International.
Storage:	Store at 2-8 °C. Shelf life: one year from despatch.
General Readings:	1. Nakamura, N., et al ., Virchows Arch 447 , 53-60 (2005). 2. Mackay, F., et al ., Annu. Rev. Immunol. 21 , 231-264 (2004).
Protocols:	 Flow cytometric analysis for floating cells We usually use Fisher tubes or equivalents as reaction tubes for all step described below. 1) Wash the cells 3 times with washing buffer [PBS containing 2% fetal calf serum (FCS) and 0.1% NaN3]. 2) Resuspend the cells with washing buffer (5x10e6 cells/mL). 3) Add 50 μL of the cell suspension into each tube, and centrifuge at 500 x g for 1 minute at room temperature (20~25 o C). Remove supernatant by careful aspiration.

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Pictures:

4) Add 20 μL of Clear Back (human Fc receptor blocking reagent) to the cell pellet after tapping. Mix well and incubate for 5 minutes at room temperature.

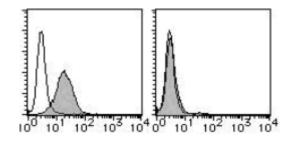
5) Add 20 μL of the PE labeled CD268/BAFF-R/BR3 (8A7). Mix well and incubate for 30 minutes at room temperature.

6) Add 1 mL of the washing buffer followed by centrifugation at 500 x g for 1 minute at room temperature. Remove supernatant by careful aspiration.

7) Resuspend the cells with 500 μL of the washing buffer and analyze by a flow cytometer.

(Positive control for Flow cytometry; Raji)

Flow cytometric analysis of CD268/BAFF-R/BR3 expression on Raji (left) and Jurkat (right). Open histograms indicate the reaction of isotypic control to the cells. Shaded hist ograms indicate the reaction of AM26519RP-N to the cells.



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