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: Q96RJ3

NCBI: NP_443177.1

GeneID: 115650

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.

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)

Pictures:

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.