

CD268 (BAFF Receptor) Monoclonal Antibody (8A7), Super Bright™ 645, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), Super Bright™ 645, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	8A7
Conjugate	Super Bright™ 645
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2762568

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/Test	1 Publication

Product Specific Information

Description: The 8A7 monoclonal antibody reacts with the human BAFF receptor, also known as B lymphocyte stimulator (BLyS protein) receptor, which is expressed on B cells. The ligand for this receptor, BAFF (B cell-activating factor of the TNF family) is a B cell survival factor and regulates CD21/35 and CD23 expression. Interaction of this ligand with its receptor causes elevated CD21/35 and CD23 expression, whereas receptor blockade has been shown to down-modulate expression.

Applications Reported: This 8A7 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 8A7 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Super Bright 645 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 645 nm. We recommend using a 660/20 bandpass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

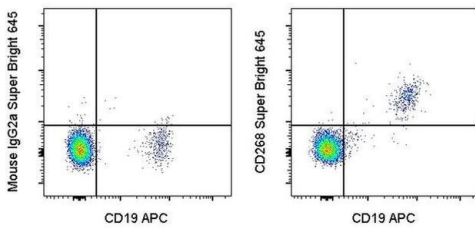
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 405 nm; Emission: 645 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD268 (BAFF Receptor) Monoclonal Antibody (8A7), Super Bright™ 645, eBioscience™



CD268 (BAFF Receptor) Antibody (64-9117-42) in Flow

Normal human peripheral blood cells were stained with CD19 Monoclonal Antibody, APC (Product # 17-0199-42) and Mouse IgG2a kappa Isotype Control, Super Bright 645 (Product # 64-4724-82) (left) or CD268 (BAFF Receptor) Monoclonal Antibody, Super Bright 645 (right). Cells in the lymphocyte gate were used for analysis.

1 Reference

Flow Cytometry (1)

BMC endocrine disorders

Altered expression profile of BAFF receptors on peripheral blood B lymphocytes in Graves' disease.

"Published figure using CD268 (BAFF Receptor) monoclonal antibody (Product # 64-9117-42) in Flow Cytometry"

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Species
Not Applicable

Dilution
Not Cited

Year
2021

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