CD268 (BAFF Receptor) Monoclonal Antibody (eBio7H22-E16), FITC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio7H22-E16
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_837079

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	8 Publications
T-Cell Activation (TCA)	-	1 Publication

Product Specific Information

Description: The monoclonal antibody eBio7H22.E16 reacts with mouse BAFF-Receptor, a type III transmembrane TNF receptor family member. BAFF-R was found to be the predominant BAFF receptor expressed on peripheral B cells, in both humans and mice. The receptor is found on the surface of all B220+ B cells found in spleen. BAFF-R is expressed on activated /memory subsets of T-cells and is important for splenic B cell maturation and survival and is a major mediator of BAFF-dependent costimulatory responses in peripheral B and T cells. BAFF-R can cause a high level of autoimmune disease and a defect in BAFF-R will cause a decrease in generating mature B-Cells The ligand for the BAFF-R is BAFF also known as BLyS.

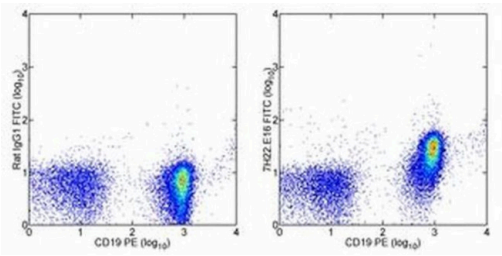
Applications Reported: This eBio7H22-E16 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBio7H22-E16 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD268 (BAFF Receptor) Monoclonal Antibody (eBio7H22-E16), FITC, eBioscience™



CD268 (BAFF Receptor) Antibody (11-5943-82) in Flow
Staining of BALB/c splenocytes with Anti-Mouse CD19 PE (Product # 12-0193-82) and 0.125 µg of FITC Rat IgG1 kappa Isotype Control (Product # 11-4301-82) (left) or 0.125 µg of Anti-Mouse CD268 (BAFF Receptor) FITC (right). Cells in the lymphocyte gate were used for analysis.

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9 References

Flow Cytometry (8)

European journal of immunology

Essential requirement for polypyrimidine tract binding proteins 1 and 3 in the maturation and maintenance of mature B cells in mice.

"11-5943-82 was used in Flow Cytometry to show that the polypyrimidine tract binding proteins (PTBP) PTBP1 and PTBP3 bind to a large and overlapping set of transcripts in B cells."

Authors: Monzón-Casanova E,Bates KJ,Smith CWJ,Turner M

Year 2021

Species Mouse

Frontiers in oncology

S100A9 Derived From Myeloma Associated Myeloid Cells Promotes TNFSF13B/TNFRSF13B-Dependent Proliferation and Survival of Myeloma Cells.

"11-5943-82 was used in Flow Cytometry to examine the effects of myeloid cells on bone marrow cells of multiple myeloma patients by scRNA-seq transcriptome analysis and reveal a high-resolution gene profile of myeloma cells and myeloma-associated myeloid cells."

Authors: Meng L,Tang Q,Zhao J,Wang Z,Wei L,Wei Q,Yin L,Luo S,Song J

Year 2021

Species Mouse

View more Flow references on thermofisher.com

T-Cell Activation (1)

Journal of immunology (Baltimore, Md. : 1950)

Critical role of B cell lymphoma 10 in BAFF-regulated NF-B activation and survival of anergic B cells.

"Published figure using CD268 (BAFF Receptor) monoclonal antibody (Product # 11-5943-82) in T-Cell Activation"

Authors: Yu M,Chen Y,He Y,Podd A,Fu G,Wright JA,Kleiman E,Khan WN,Wen R,Wang D

Year 2012

Species Mouse

More applications with references on thermofisher.com