

Datasheet: TZA0163GA

BATCH NUMBER 64759442

Description:	MOUSE ANTI HUMAN CD268 / BAFF-R
Specificity:	CD268 / BAFF-R
Other names:	BAFF-R
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rA39B39-05/3H8
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified recombinant IgG containing a SpyTag at the C-terminus of the antibody heavy chain – liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Source	CHO cells
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein	IgG concentration 1.0 mg/ml

Concentrations

Immunogen	Recombinant CD268 Met1-Leu78 expressed by mammalian cells
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External Database Links

UniProt:

[Q96RJ3](#)

[Related reagents](#)

Entrez Gene:

[115650](#)

TNFRSF13C

[Related reagents](#)

Synonyms

BAFFR, BR3

Specificity

Mouse anti Human CD268 / BAFF-R antibody, clone rA39B39-05/3H8, is a recombinant monoclonal antibody that recognizes CD268, also known as B cell activating factor-receptor (BAFF-R) or Tumor necrosis factor receptor superfamily member 13C.

CD268 is an atypical member of the Tumor necrosis factor (TNF) receptor superfamily, containing only a partial cysteine-rich domain for ligand binding and self-assembly. CD268 is almost exclusively expressed on B cells, with expression beginning when immature B cells develop to transitional B cells. CD268 binds the B cell activating factor of the TNF family (BAFF, CD257) and functions as a pro-survival receptor. Ligand binding to CD268 activates several downstream pathways, including canonical and non-canonical NF-κB signaling pathways, regulating protein synthesis and energy metabolism.

CD268 can be used as a B cell marker and is expressed on most human peripheral B cell subsets. Homozygous deletion of CD268 in humans results in lack of B cell development, causing B-lymphopenia, agammaglobulinemia and impaired humoral immune response.

Flow Cytometry

Use 5µl of the suggested working dilution to label 0.5x10⁶ cells in 100µl. Best practices suggest a 5 min centrifugation at 6,000g prior to sample application.

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Acknowledgements

This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/TZA0163GA>

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M485698:260902'

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