Datasheet: TZA0172GA

Description:	MOUSE ANTI HUMAN CD267 / TACI
Specificity:	CD267 / TACI
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rB41C41-03/2B6
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 Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant CD267 aa 1-165 expressed by mammalian cells

External Database Links	**UniProt:** O14836 Related reagents **Entrez Gene:** 23495 TNFRSF13B Related reagents
Synonyms	TACI
Specificity	**Mouse anti Human CD267 / TACI antibody, clone rB41C41-03/2B6**, is a recombinant monoclonal antibody that recognizes CD267, also known as transmembrane activator and CAML interactor (TACI) or Tumor necrosis factor receptor superfamily member 13B. CD267 is a type I transmembrane protein belonging to the tumor necrosis factor receptor (TNFR) superfamily. It is predominantly expressed on B cells, particularly CD27+ marginal zone, memory B cells and plasma cells. CD267 has two cysteine rich domains that bind the ligands B cell activating factor (BAFF) and a proliferation inducing ligand (APRIL), promoting a range of B cell functions. CD267 stimulation regulates immunoglobulin class switching by interacting with adaptor protein MyD88 and cooperating with Toll like receptor signaling. CD267 regulates plasma cell differentiation and survival by up-regulating Blimp-1 and XBP-1 and downregulating Bim. CD267 is expressed by malignant multiple myeloma cells and mediates BAFF and APRIL signaling for cell growth and survival. It has been identified as a potential therapeutic target for the treatment of multiple myeloma.
Flow Cytometry	Use 5µl of the suggested working dilution to label $0.5x10^6$ 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/TZA0172GA
Regulatory	For research purposes only

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

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