Datasheet: TZA0169GA

BATCH NUMBER 64769516

Description:	MOUSE ANTI HUMAN CD93
Specificity:	CD93
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rA50B50-02/1F3
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 CD93 aa 24-580 expressed by mammalian cells
External Database Links	**UniProt:** Q9NPY3 Related reagents **Entrez Gene:** 22918 CD93 Related reagents
Synonyms	C1QR1, MXRA4
Specificity	**Mouse anti Human CD93 antibody, clone rA50B50-02/1F3**, is a recombinant monoclonal antibody that recognizes CD93, also known as Complement component C1q receptor, C1qR1 or C1qRp. CD93 is a single-pass type I transmembrane glycoprotein part of the C-type lectin domain (CTLD) group 14 family. It is predominantly expressed on endothelial cells but is also expressed by hematopoietic stem cells, monocytes, neutrophils, B cells, natural killer cells and platelets. CD93 regulates a range of physiological processes such as angiogenesis, cell adhesion, cell migration and clearance of apoptotic cells by interacting multimerin-2 and insulin-like growth factor-binding protein 7. In B cells, CD93 expression maintains antibody secretion. Despite its name, CD93 does not directly engage with C1q. CD93 dysregulation has been reported in various conditions, including inflammation, autoimmune disorders, cancer and cardiovascular disease. CD93 is highly expressed in tumor-associated blood vessels and is correlated with poor prognosis and advanced disease.
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/TZA0169GA
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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