Datasheet: TZA0139GA

BATCH NUMBER 64759440

Description:	MOUSE ANTI HUMAN CD357
Specificity:	CD357
Other names:	GITR, TNFRSF18
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rA31B31-05/2E1-7
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 CD357 Gln26-Glu161 expressed by mammalian cells
External Database Links	**UniProt:** Q9Y5U5 Related reagents **Entrez Gene:** 8784 TNFRSF18 Related reagents
Synonyms	AITR, GITR
Specificity	**Mouse anti Human CD357 antibody, clone rA31B31-05/2E1-7**, is a recombinant monoclonal antibody that recognizes CD357, also known as Glucocorticoid-induced TNFR related protein (GITR). CD357 is a single-pass type I membrane protein and part of the TNFR superfamily. It is expressed on the surface of regulatory T cells (Tregs) and some activated cells, including natural killer cells, neutrophils and effector T lymphocytes. CD357 triggering on effector T lymphocytes by GITRL generates a positive costimulatory signal, promoting T cell activation and proliferation. CD357 expression is important in the development and activity of Tregs, and activation inhibits their suppressive function. CD357 triggering by its ligand increases resistance to tumors and viral infections. CD357 has a role in inflammation and autoimmune diseases such as rheumatoid arthritis, and is a potential target for immunotherapy of autoimmune diseases.
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/TZA0139GA
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

'M485695:260902'

Printed on 28 Oct 2026

© 2026 Bio-Rad Laboratories Inc | Legal | Imprint