

Datasheet: TZA1305GA

BATCH NUMBER 64702098

Description:	MOUSE ANTI HUMAN CD57
Specificity:	CD57
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rTB01
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	Human neuroblastoma cells
Specificity	<p>Mouse anti Human CD57 antibody, clone rTB01, is a recombinant monoclonal antibody that recognizes CD57, also known as HNK-1, Leu-7 and NK-1.</p> <p>CD57 is an oligosaccharide antigenic determinant present on a variety of polypeptides, lipids and chondroitin sulphate proteoglycans. It is expressed on a subset of peripheral blood lymphocytes, including CD8+ T cells and NK cells. The function of CD57 is poorly understood. CD57 binding to laminin and certain selectins suggests it may be involved in cell-cell and cell-matrix interactions.</p> <p>CD57 is used as a marker for terminally differentiated 'senescent' cells with reduced proliferative capacity and altered functional properties. CD57 expression in CD8+ cells identifies those with reduced proliferative responses to T cell receptor triggering and increased susceptibility to antigen-induced apoptosis. CD57+ T lymphocytes are found at a higher frequency in a variety of diseases. CD57 expression is increased on chronically activated CD8+ T cells in persistent viral infections, such as HIV.</p> <p>Mouse anti Human CD57, clone rTB01, is derived from clone TB01 (MCA1305), generated by cloning the variable DNA sequences into expression vectors for recombinant protein expression.</p>
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	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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/TZA1305GA
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 (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
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

'M446703:260109'

Printed on 20 May 2026

© 2026 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)