Datasheet: TZA0174GA

BATCH NUMBER 64759446

Description:	MOUSE ANTI HUMAN CD6
Specificity:	CD6
Other names:	T12
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rA48B48-05/3D4
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 CD6 His18-Glu398 expressed by mammalian cells
External Database Links	**UniProt:** P30203 Related reagents **Entrez Gene:** 923 CD6 Related reagents
Specificity	**Mouse anti Human CD6 antibody, clone rA48B48-05/3D4**, is a recombinant monoclonal antibody that recognizes CD6, also known as T-cell differentiation antigen CD6, T12 or TP120. CD6 is a type 1 single pass transmembrane protein of the immunoglobulin superfamily. CD6 is expressed by T-lymphocytes, natural killer (NK) cells, the B1a subset of B-lymphocytes and thymocytes. CD6 possesses three scavenger receptor cysteine rich (SRCR) domains in its extracellular region that interact with the widely expressed ligands CD318 and CD166. CD6 associates with the T-cell receptor at the immunological synapse and provides both activating and inhibitory signals. CD6 plays a role in T-cell activation, signaling, proliferation, cell adhesion and immune regulation. In B1a cells, CD6 has a role in IgM production. CD6 is a risk gene for multiple autoimmune diseases, including multiple sclerosis, Sjögren's syndrome and psoriasis. It is a potential target in cancer immunotherapy.
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/TZA0174GA
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

'M485701:260902'

Printed on 28 Oct 2026

© 2026 Bio-Rad Laboratories Inc | Legal | Imprint