

Datasheet: MCA2358

Description:	MOUSE ANTI HUMAN CD50
Specificity:	CD50
Other names:	ICAM-3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	MEM-171
Isotype:	IgG1
Quantity:	0.2 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	■			1/100
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation	■			
Western Blotting			■	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system to a concentration equivalent to their test reagent.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Human granulocytes.
External Database Links	<p>UniProt: P32942 Related reagents</p> <p>Entrez Gene: 3385 ICAM3 Related reagents</p>
RRID	AB_566844
Specificity	<p>Mouse anti Human CD50 antibody, clone MEM-171 recognizes the human CD50 cell surface glycoprotein, a 110kD molecule also known as ICAM-3.</p> <p>CD50 is a type I transmembrane glycoprotein, containing five immunoglobulin-like C2-type domains, and is a ligand for LFA-1.</p> <p>CD50 is expressed by a wide range of leucocytes. It plays a role in leucocyte adhesion and also acts as a signaling and costimulatory molecule on T lymphocytes.</p> <p>Clone MEM-171 recognizes an epitope in the D2 domain of human CD50 and is reported to partially inhibit CD43 induced apoptosis of TF-1 cells (Cermak, L. et al. 2001).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. Takeuchi, E. <i>et al.</i> (1997) CD50 Worksheet Panel Report. In Leucocyte Typing VI: White cell differentiation antigens. Edited by Kishimoto, T. et al. Garland Publishing Inc. pp403-406. 2. Cermák, L. <i>et al.</i> (2002) Molecular mechanisms involved in CD43-mediated apoptosis of TF-1 cells. Roles of transcription Daxx expression, and adhesion molecules. J Biol Chem. 277 (10): 7955-61. 3. Li, C. <i>et al.</i> (2008) Investigation of the mechanisms of tissue factor-mediated evasion of tumour cells from cellular cytotoxicity. Cancer Immunol Immunother. 57 (9): 1347-55. 4. Bonelli, M. <i>et al.</i> (2013) Abatacept (CTLA-4IG) treatment reduces the migratory capacity of monocytes in patients with rheumatoid arthritis. Arthritis Rheum. 65 (3): 599-607.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>

Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

From March 15, 2021, we will no longer supply printed datasheets with our products.
Look out for updates on how to access your digital version at [bio-rad-antibodies.com](https://www.bio-rad-antibodies.com)

'M331496:180912'

Printed on 09 Feb 2021