

Datasheet: MCA6068F

BATCH NUMBER 156369

Description:	MOUSE ANTI HUMAN CD73:FITC
Specificity:	CD73
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	AD2
Isotype:	IgG1
Quantity:	100 TESTS/0.5ml

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	▪			1/2 - 1/10

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 IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	0.2% Bovine Serum Albumin		
Immunogen	Pre-B leukemia cell line		
External Database Links	UniProt:		

Specificity	Mouse anti Human CD73, clone AD2 recognizes CD73 also known as ecto-5'-nucleotidase. CD73 is a enzyme that catalyzes the conversion of AMP to adenosine. CD73 expression has been detected on subsets of T cells and B cells, follicular dendritic cells, endothelial cells and mesenchymal stem cells. CD73 has been implicated in T cell activation and lymphocyte adhesion.
Flow Cytometry	Use 10 µl of the suggested working dilution to label 1x10 ⁶ cells in 100ul
References	<ol style="list-style-type: none">1. Terp, M.G. <i>et al.</i> (2013) Anti-human CD73 monoclonal antibody inhibits metastasis formation in human breast cancer by inducing clustering and internalization of CD73 expressed on the surface of cancer cells. J Immunol. 191 (8): 4165-73.2. Yoo, H.S. <i>et al.</i> (2013) Mesenchymal Stem Cell Lines Isolated by Different Isolation Methods Show Variations in the Regulation of Graft-versus-host Disease. Immune Netw. 13 (4): 133-40.3. Krüger, K.H. <i>et al.</i> (1991) Expression of ecto-5'-nucleotidase (CD73) in normal mammary gland and in breast carcinoma. Br J Cancer. 63 (1): 114-8.4. GarikipatiV, N.S. <i>et al.</i> (2018) Isolation and characterization of mesenchymal stem cells from human fetus heart. PLoS One. 13 (2): e0192244.5. Chaturvedi, C.P. <i>et al.</i> (2018) Altered Expression of Hematopoiesis Regulatory Molecules in Lipopolysaccharide-Induced Bone Marrow Mesenchymal Stem Cells of Patients with Aplastic Anemia. Stem Cells Int. 2018: 6901761.6. Di Paola, A. <i>et al.</i> (2021) Eltrombopag in paediatric immune thrombocytopenia: Iron metabolism modulation in mesenchymal stromal cells. Br J Haematol. Dec 28 [Epub ahead of print].
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA6068F 10041
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

North & South Tel: +1 800 265 7376

America 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

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

Printed on 11 Apr 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)