

Datasheet: MCA2458F

Description:	MOUSE ANTI HUMAN CD15:FITC
Specificity:	CD15
Other names:	LEWIS X
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	MEM-158
Isotype:	IgM
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	▪			Neat - 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		
Species Cross Reactivity	Does not react with:Pig		
Product Form	Purified IgM conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgM prepared by ion exchange chromatography.		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin		

Approx. Protein Concentrations	Ig concentration 0.1 mg/ml
Immunogen	Human granulocytes.
RRID	AB_566529
Specificity	<p>Mouse anti Human CD15 antibody, clone MEM-158 recognizes the human CD15 cell surface antigen, also known as Lewis X , stage-specific embryonic antigen-1 or SSEA-1.</p> <p>CD15 is a carbohydrate antigen, predominately expressed by peripheral blood granulocytes (Brackman <i>et al.</i> 1995) but also on a variety of other normal cells and many tumors (Ohana-Malka <i>et al.</i> 2003). Expression of CD15 is widely used as a diagnostic indicator of Hodgkin's disease where acquisition of a sialyl group by CD15 is indicative of progression to a more disseminated form of the disease and poor prognosis (Benharroch <i>et al.</i> 2000).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood.
References	<ol style="list-style-type: none"> 1. Brackman, D. <i>et al.</i> (1995) Expression of leukocyte differentiation antigens during the differentiation of HL-60 cells induced by 1,25-dihydroxyvitamin D3: comparison with the maturation of normal monocytic and granulocytic bone marrow cells. J Leukoc Biol. 58: 547-55. 2. Lowdell, M. (2014) Preserved compositions of activated NK cells and methods of using the same. US Patent US8735148 B2 3. Woolley, J.R. <i>et al.</i> (2014) Temporal leukocyte numbers and granulocyte activation in pulsatile and rotary ventricular assist device patients. Artif Organs. 38 (6): 447-55.
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. This product is photosensitive and should be protected from light.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgM NEGATIVE CONTROL:FITC \(MCA692F\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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

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