

## Datasheet: MCA2458FT

<b>Description:</b>	MOUSE ANTI HUMAN CD15:FITC
<b>Specificity:</b>	CD15
<b>Other names:</b>	LEWIS X
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MEM-158
<b>Isotype:</b>	IgM
<b>Quantity:</b>	25 µg

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat - 1/10

Where this antibody 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 antibody 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	0.09% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		

Approx. Protein Concentrations	Ig concentration 0.1 mg/ml
Immunogen	Human granulocytes.
RRID	AB_1100803
Specificity	<p><b>Mouse anti Human CD15 antibody, clone MEM-158</b> 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 (<a href="#">Brackman <i>et al.</i> 1995</a>) but also on a variety of other normal cells and many tumors (<a href="#">Ohana-Malka <i>et al.</i> 2003</a>). 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 (<a href="#">Benharroch <i>et al.</i> 2000</a>).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells or 100ul whole blood.
References	<ol style="list-style-type: none"> <li>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. <a href="#">J Leukoc Biol. 58: 547-55.</a></li> <li>2. Lowdell, M. (2014) Preserved compositions of activated NK cells and methods of using the same. <a href="#">US Patent US8735148 B2</a></li> <li>3. Woolley, J.R. <i>et al.</i> (2014) Temporal leukocyte numbers and granulocyte activation in pulsatile and rotary ventricular assist device patients. <a href="#">Artif Organs. 38 (6): 447-55.</a></li> </ol>
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: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
Regulatory	For research purposes only

## Related Products

### Recommended Negative Controls

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

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)  
[HUMAN SEROBLOCK \(BUF070B\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M385398:210513'

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