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.

Specificity

Mouse anti Human CD15 antibody, clone MEM-158 recognizes the human CD15 cell surface

	antigen, also known as Lewis X , stage-specfic embryonic antigen-1 or SSEA-1. CD15 is a carbohydrate antigen, predominately expressed by peripheral blood granulocytes (Brackman *et al.*1995) but also on a variety of other normal cells and many tumors (Ohana-Malka *et al.* 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 disemminated form of the disease and poor prognosis (Benharroch *et al.* 2000).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells or 100ul whole blood.
References	1. Brackman, D. *et al.* (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. *et al.* (2014) Temporal leukocyte numbers and granulocyte activation in pulsatile and rotary ventricular assist device patients. Artif Organs. 38 (6): 447-55.
Storage	Store at +4^{o}C or at -20^{o}C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 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)

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