

Datasheet: MCA6115EL

Description:	MOUSE ANTI HUMAN CD11a:Low Endotoxin
Specificity:	CD11a
Other names:	INTEGRIN ALPHA L CHAIN, LFA-1
Format:	Low Endotoxin
Product Type:	Monoclonal Antibody
Clone:	MEM-25
Isotype:	IgG1
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 - 1/50
Immunoprecipitation	▪			
Functional Assays	▪			

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 - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant and 0.2 µm filter sterilized
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Endotoxin Level	< 0.01 EU/ug
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Leucocytes from a patient suffering from a LGL-type leukemia
External Database Links	UniProt:

[P20701](#) [Related reagents](#)

Entrez Gene:

[3683](#) ITGAL [Related reagents](#)

Synonyms	CD11A
-----------------	-------

Specificity	<p>Mouse anti Human CD11a antibody, clone MEM-25 recognizes the integrin alphaL subunit, a 170-180 kDa type I transmembrane glycoprotein that associates with CD18 to form the leucocyte function-associated antigen-1, an alphaLbeta2 integrin expressed at the surface of all human leukocyte.</p> <p>LFA-1 is a receptor for ICAMs, JAM-1 and F11R. Its interaction with endothelial ligands, such as ICAM-1 and JAM-1 is responsible for leukocyte arrest and extravasation (Osterman et al.2002). In addition to its role in leukocyte adhesion and transmigration, LFA-1 is involved in T cell differentiation (Verma et al. 2016, Verman and Kelleher 2017) and is required for the effective lysis of infected cells by cytotoxic T cells (Anikeeva et al. 2005, Pontes Ferreira et al. 2017). LFA-1 also contributes to NK cell cytotoxicity (Domingo et al. 2004) and participates to the clearance of apoptotic neutrophils by macrophages (Kristóf et al. 2013). The interaction of LFA-1 with ICAM-1 is the target of Lfitegrast, a drug approved for the treatment of Dry Eye Disease (Abidi et al. 2016).</p> <p>Mouse anti Human CD11 antibody, clone MEM-25 inhibits the cytotoxic activity of NK cells (Bazil et al. 1990).</p>
--------------------	--

Purity	>95% by SDS PAGE
---------------	------------------

Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul
-----------------------	--

Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
----------------	---

Guarantee	12 months from date of despatch
------------------	---------------------------------

Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.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](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Low Endotoxin \(MCA928EL\)](#)

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
----------------------------------	---	------------------	---	---------------	---

'M359648:191004'

Printed on 01 May 2020

© 2020 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)