

Datasheet: MCA6115

Description:	MOUSE ANTI HUMAN CD11a
Specificity:	CD11a
Other names:	INTEGRIN ALPHA L CHAIN, LFA-1
Format:	Purified
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
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Leucocytes from a patient suffering from a LGL-type leukemia
External Database Links	<p>UniProt:</p> <p>P20701 Related reagents</p> <p>Entrez Gene:</p>

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 Lifitegrast, 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 #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.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 (MCA928)

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

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