

## Datasheet: MCA1848

**BATCH NUMBER 1603**

<b>Description:</b>	MOUSE ANTI HUMAN CD11a
<b>Specificity:</b>	CD11a
<b>Other names:</b>	INTEGRIN ALPHA L CHAIN, LFA-1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	38
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.2 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/50 - 1/100
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	
Immunofluorescence	▪			
Functional Assays			▪	

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1 mg/ml
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P20701</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3683</a>    ITGAL    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CD11A
<b>RRID</b>	AB_322231
<b>Specificity</b>	<p><b>Mouse anti Human CD11a antibody, clone 38</b> recognizes the integrin alpha L subunit, also known as CD11a, leukocyte function-associated molecule 1 alpha chain LFA-1 or integrin alpha-L. CD11a is a ~180 kDa glycoprotein expressed by all human leucocytes. CD11a is involved in cell-cell adhesion processes and binds to ICAM-1, 2 and 3.</p> <p>Mouse anti Human CD11a antibody, clone 38 inhibits CD11a mediated adhesion of T cells to ICAM-1 (Stewart <i>et al.</i> 1996).</p>
<b>Histology Positive Control Tissue</b>	Human Tonsil
<b>References</b>	<ol style="list-style-type: none"> <li>1. Dransfield, I. &amp; Hogg, N. (1989) Regulated expression of Mg2+ binding epitope on leukocyte integrin alpha subunits. <a href="#">EMBO J. 8 (12): 3759-65.</a></li> <li>2. Berg, L.P. <i>et al.</i> (2002) Functional consequences of noncognate interactions between CD4+ memory T lymphocytes and the endothelium. <a href="#">J Immunol. 168 (7): 3227-34.</a></li> <li>3. Foster, G.R. <i>et al.</i> (2004) IFN-alpha subtypes differentially affect human T cell motility. <a href="#">J Immunol. 173: 1663-70.</a></li> <li>4. Evans, B.J. <i>et al.</i> (2006) Shedding of lymphocyte function-associated antigen-1 (LFA-1) in a human inflammatory response. <a href="#">Blood. 107: 3593-9.</a></li> <li>5. Suchard, S.J. <i>et al.</i> (2010) An LFA-1 (alphaLbeta2) small-molecule antagonist reduces inflammation and joint destruction in murine models of arthritis. <a href="#">J Immunol. 184: 3917-26.</a></li> <li>6. Porter, J.C. and Hall, A. (2009) Epithelial ICAM-1 and ICAM-2 regulate the egression of human T cells across the bronchial epithelium. <a href="#">FASEB J. 23: 492-502.</a></li> <li>7. Daehn, I.S. (2010) T-lymphocyte-induced, fas-mediated apoptosis is associated with early keratinocyte differentiation. <a href="#">Exp Dermatol. 19: 372-80.</a></li> <li>8. Dominical, V.M. <i>et al.</i> (2014) Prominent role of platelets in the formation of circulating neutrophil-red cell heterocellular aggregates in sickle cell anemia. <a href="#">Haematologica. 99 (11): e214-7.</a></li> <li>9. Stax, A.M. <i>et al.</i> (2017) Autoreactivity to Sulfatide by Human Invariant NKT Cells. <a href="#">J Immunol. 199 (1): 97-106.</a></li> </ol>

<b>Storage</b>	Store at +4°C or at -20°C if preferred.  This product should be stored undiluted.  Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1848">https://www.bio-rad-antibodies.com/SDS/MCA1848</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

### Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

<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://www.bio-rad-antibodies.com/datasheets)  
'M365795:200529'

Printed on 18 Jan 2024