

## Datasheet: MCA802GA

**BATCH NUMBER 1709**

<b>Description:</b>	MOUSE ANTI RABBIT CD11b
<b>Specificity:</b>	CD11b
<b>Other names:</b>	INTEGRIN ALPHA M CHAIN, MAC-1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	198
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/100 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	
Immunofluorescence	▪			

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>	Rabbit
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )

## Stabilisers

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**Carrier Free** Yes

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

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**Immunogen** Rabbit adherent blood leucocytes.

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**Fusion Partners** Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0.Ag14 mouse myeloma cell line.

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**Specificity** **Mouse anti Rabbit CD11b antibody, clone 198** recognizes the rabbit CD11b cell surface glycoprotein, also known as the integrin alpha M chain and MAC-1. Mouse anti Rabbit CD11b antibody, clone 198 immunoprecipitates two proteins of molecular weight 165 kD and 95 kD from granulocytes. It recognizes monocytes, macrophages and neutrophils by flow cytometry and is thought to be against the homologue of human CD11b. In immunohistochemistry good staining of macrophages is observed.

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**Flow Cytometry** Use 10ul of the suggested working dilution to label  $10^6$  cells or 100ul whole blood .

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## References

1. Smet, E.G. *et al.* (1986) Mab. 198: a monoclonal antibody recognizing the complement type 3 receptor (CR3) in the rabbit. [Immunology. 59 \(3\): 419-25.](#)
2. Wilkinson, J.M. *et al.* (1993) Immunohistochemical identification of leucocyte populations in normal tissue and inflamed synovium of the rabbit. [J Pathol. 170 \(3\): 315-20.](#)
3. Hoefler, I.E. *et al.* (2005) Aspirin, but not clopidogrel, reduces collateral conductance in a rabbit model of femoral artery occlusion. [J Am Coll Cardiol. 46 \(6\): 994-1001.](#)
4. Vinukonda, G. *et al.* (2010) Neuroprotection in a rabbit model of intraventricular haemorrhage by cyclooxygenase-2, prostanoid receptor-1 or tumour necrosis factor-alpha inhibition. [Brain. 133 \(Pt 8\): 2264-80.](#)
5. Xu, Y. *et al.* (2010) Adenovirus-mediated overexpression of glutathione-s-transferase mitigates transplant arteriosclerosis in rabbit carotid allografts. [Transplantation. 89: 409-16.](#)
6. Dewals, B. *et al.* (2008) Malignant catarrhal fever induced by alcelaphine herpesvirus 1 is associated with proliferation of CD8+ T cells supporting a latent infection. [PLoS ONE 3: e1627.](#)
7. Brickson, S. *et al.* (2003) M1/70 attenuates blood-borne neutrophil oxidants, activation, and myofiber damage following stretch injury. [J Appl Physiol. 95: 969-76.](#)
8. Georgiadis, P. *et al.* (2008) Characterization of acute brain injuries and neurobehavioral profiles in a rabbit model of germinal matrix hemorrhage. [Stroke. 39: 3378-88.](#)
9. Gillet, L. *et al.* (2009) Anchoring tick salivary anti-complement proteins IRAC I and IRAC II to membrane increases their immunogenicity. [Vet Res. 40: 51.](#)
10. Vinukonda, G. *et al.* (2016) Hyaluronidase and Hyaluronan Oligosaccharides Promote Neurological Recovery after Intraventricular Hemorrhage. [J Neurosci. 36 \(3\): 872-89.](#)

## Storage

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA802GA">https://www.bio-rad-antibodies.com/SDS/MCA802GA</a> 10040
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<b>Regulatory</b>	For research purposes only
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## 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>
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 (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<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>

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Printed on 29 Aug 2024