Datasheet: MCA802GA

BATCH NUMBER 166148

Description:	MOUSE ANTI RABBIT CD11b
Specificity:	CD11b
Other names:	INTEGRIN ALPHA M CHAIN, MAC-1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	198
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	▪			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.

Target Species	Rabbit
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	0.09% Sodium Azide (NaN_3)

Stabilisers	
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Rabbit adherent blood leucocytes.
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0.Ag14 mouse myeloma cell line.
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.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells or 100ul whole blood .
References	1. 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. 2. 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. 3. Hoefer, 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. Fábián, K. *et al.* (2005) Detection of bovine herpesvirus 4 in CD11b+ leukocytes of experimentally infected rabbits. Acta Vet Hung. 53 (2): 265-73. 5. 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. 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. 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. 8. Xu, Y. *et al.* (2010) Adenovirus-mediated overexpression of glutathione-s-transferase mitigates transplant arteriosclerosis in rabbit carotid allografts. Transplantation. 89: 409-16. 9. 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. 10. Vinukonda, G. *et al.* (2016) Hyaluronidase and Hyaluronan Oligosaccharides Promote Neurological Recovery after Intraventricular Hemorrhage. J Neurosci. 36 (3): 872-89. 11. Lin, W. *et al.* (2020) Rapid identification of anti-idiotypic mAbs with high affinity and diverse epitopes by rabbit single B-cell sorting-culture and cloning technology. PLoS One. 15 (12): e0244158.

12. Noreng, S. *et al.* (2022) Structure of the core human NADPH oxidase NOX2. Nat Commun. 13 (1): 6079.
13. Türk, Ü.B. *et al.* (2024) Alterations in the spinal cord, trigeminal nerve ganglion, and infraorbital nerve through inducing compression of the dorsal horn region at the upper cervical cord in trigeminal neuralgia. Brain Res. 1832: 148842.

Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA802GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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