

Datasheet: MCA806GA

BATCH NUMBER 153315

Description:	MOUSE ANTI RABBIT CD44
Specificity:	CD44
Other names:	H-CAM, PGP-1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	W4/86
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	▪			1/25 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

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 Stabilisers	0.09% Sodium Azide

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	RL-5 T cell line glycoproteins.
Fusion Partners	Spleen cells from an immunized mouse were fused with cells of the mouse P3.X63 Ag8 myeloma cell line.
Specificity	<p>Mouse anti Rabbit CD44 antibody, clone W4/86 recognizes the rabbit CD44 cell surface antigen, a ~95 kDa glycoprotein expressed by all leucocytes. In immunohistochemical staining the antibody labels the medullary area strongly and the cortical area weakly.</p> <p>Mouse anti Rabbit CD44 antibody, clone W4/86 has been reported as being suitable for use in Western blotting under non-reducing conditions.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. Jackson, S. <i>et al.</i> (1983) Differentiation antigens identify subpopulations of rabbit T and B lymphocytes. Definition by flow cytometry. J Exp Med. 157 (1): 34-46. 2. Wilkinson, J.M. <i>et al.</i> (1984) Cell surface glycoproteins of rabbit lymphocytes: characterization with monoclonal antibodies. Mol Immunol. 21 (1): 95-103. 3. Galea-Lauri, J. <i>et al.</i> (1993) Characterization of monoclonal antibodies against rabbit CD44: evidence of a role for CD44 in modulating synoviocyte metabolism. Mol Immunol. 30 (15): 1383-92. 4. Dewals, B.G. and Vanderplasschen, A. (2011) Malignant catarrhal fever induced by Alcelaphine herpesvirus 1 is characterized by an expansion of activated CD3+CD8+CD4-T cells expressing a cytotoxic phenotype in both lymphoid and non-lymphoid tissues. Vet Res. 42: 95. 5. Yagi, M. <i>et al.</i> (2010) Hyaluronan modulates proliferation and migration of rabbit fibroblasts derived from flexor tendon epitenon and endotenon. J Hand Surg Am. 35: 791-6. 6. Zhang, J. <i>et al.</i> (2016) Bone mesenchymal stem cells differentiate into myofibroblasts in the tumor microenvironment Oncology Letters. May 30 [Epub ahead of print] 7. Kováč, M. <i>et al.</i> (2016) Cryopreservation of Amniotic Fluid Stem Cells Derived From Zbor Rabbits. Slovak J Anim Sci., 49,(2): 62–67. 8. Sugaya, H. <i>et al.</i> (2016) Fate of bone marrow mesenchymal stromal cells following autologous transplantation in a rabbit model of osteonecrosis. Cytotherapy. 18 (2): 198-204. 9. Kováč, M. <i>et al.</i> (2017) Phenotype and ultrastructure of stem cells derived from amniotic fluid of Nitra rabbit J Cent Euro Agric. 18 (1): 226-34. 10. Honda, H. <i>et al.</i> (2017) Hyaluronic Acid Accelerates Tendon-to-Bone Healing After Rotator Cuff Repair. Am J Sports Med. : 363546517720199. 11. Kim, H.J. <i>et al.</i> (2019) Intra-articular delivery of synovium-resident mesenchymal stem cells via BMP-7-loaded fibrous PLGA scaffolds for cartilage repair. J Control Release. 302: 169-80.

Storage 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.

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/MCA806GA>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

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

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

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

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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)
'M368991:200529'

Printed on 10 Feb 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)