

Datasheet: MCA806GA

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 (Blackford 1996).</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. 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. 3. 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. 4. 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. 5. Zhang, J. <i>et al.</i> (2016) Bone mesenchymal stem cells differentiate into myofibroblasts in the tumor microenvironment. Oncol Lett. 12 (1): 644-50. 6. Kováč, M. <i>et al.</i> (2016) Cryopreservation of Amniotic Fluid Stem Cells Derived From Zobor Rabbits. Slovak J Anim Sci., 49,(2): 62–67. 7. 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. 8. 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. 9. Honda, H. <i>et al.</i> (2017) Hyaluronic Acid Accelerates Tendon-to-Bone Healing After Rotator Cuff Repair. Am J Sports Med. 45 (14): 3322-30. 10. 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. 11. Desando, G. <i>et al.</i> (2018) Short-Term Homing of Hyaluronan-Primed Cells: Therapeutic Implications for Osteoarthritis Treatment. Tissue Eng Part C Methods. 24 (2): 121-33.

12. Kulikova, B. *et al.* (2019) Survivability of rabbit amniotic fluid-derived mesenchymal stem cells post slow-freezing or vitrification. [Acta Histochem. 121 \(4\): 491-9.](#)
13. Kim, D.H. *et al.* (2019) Rabbit palatum-derived mesenchymal progenitor cells tri-lineage differentiation on 2D substrates and 3D printed constructs. [J Appl Biomater Funct Mater. 17 \(3\): 2280800019834520.](#)

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/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 \(MCA928\)](#)

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