Datasheet: MCA808GA

BATCH NUMBER 168532

Description:	MOUSE ANTI RABBIT CD45
Specificity:	CD45
Other names:	LCA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	L12/201
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	▪			1/50 - 1/100
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 1.0mg/ml
Immunogen	Glycoproteins isolated from the T cell line, RL-5.
RRID	AB_10961760
Fusion Partners	Spleen cells from immunised mice were fused with cells of the P3.X63.Ag8-U1 mouse myeloma cell line.
Specificity	**Mouse anti Rabbit CD45 antibody, clone L12/201** recognizes the CD45 antigen, also known as leukocyte common antigen (LCA) or T200. Mouse anti Rabbit CD45 antibody, clone L12/201 shows pan leucocyte reactivity by flow cytometry and immunohistochemistry. Immunoprecipitation was achieved by cross linking antibody to the labelled cell surface yielding a protein migrating by gel electrophoresis at a molecular mass of ~200 kDa.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells or cells or 100ul whole blood.
References	1. Jackson, S. *et al.* (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. *et al.* (1984) Cell surface glycoproteins of rabbit lymphocytes: characterization with monoclonal antibodies. Mol Immunol. 21 (1): 95-103. 3. Wilkinson, J.M. *et al.* (1992) A cytotoxic rabbit T-cell line infected with a gamma-herpes virus which expresses CD8 and class II antigens. Immunology. 77 (1): 106-8. 4. 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. 5. Fenton, M. *et al.* (2001) Cellular senescence after single and repeated balloon catheter denudations of rabbit carotid arteries. Arterioscler Thromb Vasc Biol. 21: 220-6. 6. Mackenzie, S.M. *et al.* (2006) Immunocontraceptive effects on female rabbits infected with recombinant myxoma virus expressing rabbit ZP2 or ZP3. Biol Reprod. 74: 511-21. 7. Davis, W.C. & Hamilton, M.J. (2008) Use of flow cytometry to develop and characterize a set of monoclonal antibodies specific for rabbit leukocyte differentiation molecules. J Vet Sci. 9 (1): 51-66. 8. Liang, H. *et al.* (2009) Comparison of the ocular tolerability of a latanoprost cationic emulsion versus conventional formulations of prostaglandins: an *in vivo* toxicity assay. Mol Vis. 15: 1690-9. 9. Xu, Y. *et al.* (2010) Adenovirus-mediated overexpression of glutathione-s-transferase mitigates transplant arteriosclerosis in rabbit carotid allografts. Transplantation. 89: 409-16. 10. Vašíček, J *et al.* (2014) Basic Blood Analysis of Rabbits Immunized with Vaccine Against Myxomatosis. Proc Int Symp Anim Sci 2014: 411-6.

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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/MCA808GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South America Tel: +1 800 265 7376 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

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