

Datasheet: MCA808F

Description:	MOUSE ANTI RABBIT CD45:FITC
Specificity:	CD45
Other names:	LCA
Format:	FITC
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	▪			Neat - 1/10

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Rabbit		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
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 (NaN ₃) 1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml		

Immunogen	Glycoproteins isolated from the T cell line, RL-5.
Fusion Partners	Spleen cells from immunised mice were fused with cells of the P3.X63.Ag8-U1 mouse myeloma cell line.
Specificity	<p>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.</p> <p>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.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul
References	<ol style="list-style-type: none"> 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. Wilkinson, J.M. <i>et al.</i> (1984) Cell surface glycoproteins of rabbit lymphocytes: characterization with monoclonal antibodies. Mol Immunol. 21 (1): 95-103. Wilkinson, J.M. <i>et al.</i> (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. Wilkinson, J.M. <i>et al.</i> (1993) Immunohistochemical identification of leucocyte populations in normal tissue and inflamed synovium of the rabbit. J Pathol. 170 (3): 315-20. Fenton, M. <i>et al.</i> (2001) Cellular senescence after single and repeated balloon catheter denudations of rabbit carotid arteries. Arterioscler Thromb Vasc Biol. 21: 220-6. Mackenzie, S.M. <i>et al.</i> (2006) Immunocontraceptive effects on female rabbits infected with recombinant myxoma virus expressing rabbit ZP2 or ZP3. Biol Reprod. 74: 511-21. 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. Liang, H. <i>et al.</i> (2009) Comparison of the ocular tolerability of a latanoprost cationic emulsion versus conventional formulations of prostaglandins: an <i>in vivo</i> toxicity assay. Mol Vis. 15: 1690-9. Xu, Y. <i>et al.</i> (2010) Adenovirus-mediated overexpression of glutathione-s-transferase mitigates transplant arteriosclerosis in rabbit carotid allografts. Transplantation. 89: 409-16. Vašíček, J <i>et al.</i> (2014) Basic Blood Analysis of Rabbits Immunized with Vaccine Against Myxomatosis. Proc Int Symp Anim Sci 2014: 411-6. Vasicek, J. <i>et al.</i> (2015) Determination of Lymphocyte Subset Distribution in the Peripheral Blood of Rabbits Immunized with CFA. Int Symp Anim Sci UDC:639.112 pp. 226-31. Sijnave, D. <i>et al.</i> (2015) Inhibition of Rho-Associated Kinase Prevents Pathological Wound Healing and Neovascularization After Corneal Trauma. Cornea. 34 (9): 1120-9. Ondruska, L. <i>et al.</i> (2016) Decrease in C-reactive protein levels in rabbits after vaccination with a live attenuated myxoma virus vaccine Veterinární Medicína. 61 (No. 10): 571-6. Ondruska, L. <i>et al.</i> (2016) Decrease in C-reactive protein levels in rabbits after

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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 #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA808F>

Regulatory For research purposes only

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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