

Datasheet: MCA808PE

BATCH NUMBER 167321

Description:	MOUSE ANTI RABBIT CD45:RPE
Specificity:	CD45
Other names:	LCA
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	L12/201
Isotype:	IgG1
Quantity:	100 TESTS

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 R. Phycoerythrin (RPE) - lyophilized									
Reconstitution	Reconstitute with 1 ml distilled water									
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> <tr> <td>RPE 561nm laser</td> <td>546</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578	RPE 561nm laser	546	578
Fluorophore	Excitation Max (nm)	Emission Max (nm)								
RPE 488nm laser	496	578								
RPE 561nm laser	546	578								
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	1% Bovine Serum Albumin 5% Sucrose
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"> 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. 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. 4. 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. 5. 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. 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. 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. <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. 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. 10. 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. 11. 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. 12. 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. 13. Ondruska, L. <i>et al.</i> (2016) Decrease in C-reactive protein levels in rabbits after

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Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA808PE
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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