

## Datasheet: MCA808PE

<b>Description:</b>	MOUSE ANTI RABBIT CD45:RPE
<b>Specificity:</b>	CD45
<b>Other names:</b>	LCA
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	L12/201
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Rabbit		
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
<b>Reconstitution</b>	Reconstitute with 1 ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )		
<b>Stabilisers</b>	1% Bovine Serum Albumin		

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<b>Immunogen</b>	Glycoproteins isolated from the T cell line, RL-5.
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<b>Fusion Partners</b>	Spleen cells from immunised mice were fused with cells of the P3.X63.Ag8-U1 mouse myeloma cell line.
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<b>Specificity</b>	<p><b>Mouse anti Rabbit CD45 antibody, clone L12/201</b> 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>
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul
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<b>References</b>	<ol style="list-style-type: none"><li>1. Jackson, S. <i>et al.</i> (1983) Differentiation antigens identify subpopulations of rabbit T and B lymphocytes. Definition by flow cytometry. <a href="#">J Exp Med. 157 (1): 34-46.</a></li><li>2. Wilkinson, J.M. <i>et al.</i> (1984) Cell surface glycoproteins of rabbit lymphocytes: characterization with monoclonal antibodies. <a href="#">Mol Immunol. 21 (1): 95-103.</a></li><li>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. <a href="#">Immunology. 77 (1): 106-8.</a></li><li>4. Wilkinson, J.M. <i>et al.</i> (1993) Immunohistochemical identification of leucocyte populations in normal tissue and inflamed synovium of the rabbit. <a href="#">J Pathol. 170 (3): 315-20.</a></li><li>5. Fenton, M. <i>et al.</i> (2001) Cellular senescence after single and repeated balloon catheter denudations of rabbit carotid arteries. <a href="#">Arterioscler Thromb Vasc Biol. 21: 220-6.</a></li><li>6. Mackenzie, S.M. <i>et al.</i> (2006) Immunocontraceptive effects on female rabbits infected with recombinant myxoma virus expressing rabbit ZP2 or ZP3. <a href="#">Biol Reprod. 74: 511-21.</a></li><li>7. Davis, W.C. &amp; Hamilton, M.J. (2008) Use of flow cytometry to develop and characterize a set of monoclonal antibodies specific for rabbit leukocyte differentiation molecules. <a href="#">J Vet Sci. 9 (1): 51-66.</a></li><li>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. <a href="#">Mol Vis. 15: 1690-9.</a></li><li>9. Xu, Y. <i>et al.</i> (2010) Adenovirus-mediated overexpression of glutathione-s-transferase mitigates transplant arteriosclerosis in rabbit carotid allografts. <a href="#">Transplantation. 89: 409-16.</a></li><li>10. Vašíček, J <i>et al.</i> (2014) Basic Blood Analysis of Rabbits Immunized with Vaccine Against Myxomatosis. <a href="#">Proc Int Symp Anim Sci 2014: 411-6.</a></li><li>11. Vasicek, J. <i>et al.</i> (2015) Determination of Lymphocyte Subset Distribution in the Peripheral Blood of Rabbits Immunized with CFA. <a href="#">Int Symp Anim Sci UDC:639.112 pp. 226-31.</a></li><li>12. Sijnave, D. <i>et al.</i> (2015) Inhibition of Rho-Associated Kinase Prevents Pathological Wound Healing and Neovascularization After Corneal Trauma. <a href="#">Cornea. 34 (9): 1120-9.</a></li><li>13. Ondruska, L. <i>et al.</i> (2016) Decrease in C-reactive protein levels in rabbits after vaccination with a live attenuated myxoma virus vaccine <a href="#">Veterinární Medicina. 61 (No.</a></li></ol>
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<b>Storage</b>	This product is shipped at ambient temperature. Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20487 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA808PE">https://www.bio-rad-antibodies.com/SDS/MCA808PE</a>
<b>Regulatory</b>	For research purposes only

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**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://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](http://bio-rad-antibodies.com/datasheets)  
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