

## Datasheet: MCA808GA

<b>Description:</b>	MOUSE ANTI RABBIT CD45
<b>Specificity:</b>	CD45
<b>Other names:</b>	LCA
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	L12/201
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## Product Details

**RRID** AB\_10961760

**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	▪			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.

<b>Target Species</b>	Rabbit
<b>Product Form</b>	Purified IgG - liquid
<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 Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml

<b>Immunogen</b>	Glycoproteins isolated from the T cell line, RL-5.
<b>Fusion Partners</b>	Spleen cells from immunised mice were fused with cells of the P3.X63.Ag8-U1 mouse myeloma cell line.
<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>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells or cells or 100ul whole blood.
<b>References</b>	<ol style="list-style-type: none"> <li>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>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>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>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>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>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>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>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>Waclavicek, M. <i>et al.</i> (2009) Analysis of the early response to TSST-1 reveals Vbeta-unrestricted extravasation, compartmentalization of the response, and unresponsiveness but not anergy to TSST-1. <a href="#">J Leukoc Biol. 85: 44-54.</a></li> <li>Kuznetsov, S.A. <i>et al.</i> (2001) Circulating skeletal stem cells. <a href="#">J Cell Biol. 153: 1133-40.</a></li> <li>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>Kovačič, M. <i>et al.</i> (2016) Cryopreservation of Amniotic Fluid Stem Cells Derived From Zbor Rabbits. <a href="#">Slovak J Anim Sci., 49,(2): 62–67.</a></li> <li>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="#">Veterinárni Medicína. 61 (No. 10): 571-6.</a></li> <li>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>Waclavicek, M. <i>et al.</i> (2009) Analysis of the early response to TSST-1 reveals Vbeta-unrestricted extravasation, compartmentalization of the response, and unresponsiveness but not anergy to TSST-1. <a href="#">J Leukoc Biol. 85 (1): 44-54.</a></li> <li>Miyahara, T. <i>et al.</i> (2013) D-series resolvin attenuates vascular smooth muscle cell activation and neointimal hyperplasia following vascular injury. <a href="#">FASEB J. 27 (6): 2220-32.</a></li> <li>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>Kováč, M. <i>et al.</i> (2017) Phenotype and ultrastructure of stem cells derived from amniotic fluid of Nitra rabbit <a href="#">Journal of Central European Agriculture. 18 (1): 226-34.</a></li> <li>Vašíček, J. <i>et al.</i> (2018) The Efficiency of Immunomagnetic Sorting of Rabbit Bone Marrow Cells for the Establishment of Mesenchymal Stem Cell Culture. <a href="#">Journal of Microbiology.</a></li> </ol>

[Biotechnology and Food Sciences. 8 \(3\): 890-2.](#)

20. Vašíček, J *et al.* (2014) Basic Blood Analysis of Rabbits Immunized with Vaccine Against Myxomatosis. [Proc Int Symp Anim Sci 2014: 411-6.](#)

21. Ondruska, L. *et al.* (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.](#)

22. Barth, H. *et al.* (2019) Inflammatory responses after vitrectomy with vitreous substitutes in a rabbit model. [Graefes Arch Clin Exp Ophthalmol. 257 \(4\): 769-83.](#)

23. Kovac, M. *et al.* (2017) Different RNA and protein expression of surface markers in rabbit amniotic fluid-derived mesenchymal stem cells. [Biotechnol Prog. 33 \(6\): 1601-13.](#)

---

**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

---

**Guarantee**

18 months from date of despatch.

---

**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

---

**Regulatory**

For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [FITC](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

'M334836:181203'

**Printed on 11 Oct 2019**

---

© 2019 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)