

## Datasheet: MCA810GA

**BATCH NUMBER 173830**

<b>Description:</b>	MOUSE ANTI RABBIT MHC CLASS I MONOMORPHIC
<b>Specificity:</b>	MHC CLASS I MONOMORPHIC
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	73-2
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1:50 - 1:200
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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 - 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 1.0 mg/ml
<b>Immunogen</b>	Rabbit T cells
<b>Specificity</b>	<p><b>Mouse anti Rabbit MHC class I monomorphic, clone 73-2</b>, recognizes the lapine homologue of the human major histocompatibility complex (MHC) class Ib, a protein expressed at varying levels on the cell surface of the majority of nucleated rabbit cells.</p> <p>MHC genes are found in all vertebrate species. The nomenclature varies for different species, often collectively named as leukocyte antigens and prefixed by the species or species group, e.g. human leukocyte antigen (HLA), bovine leukocyte antigen (BoLA) etc. Rabbit major histocompatibility complex molecules are generally referred to as MHC, however some sources have referenced them as Rabbit leukocyte antigens (RLA). MHC molecules comprise a vital component of adaptive immunity, MHC class I molecules are glycoproteins that function in the presentation of antigen fragments from antigen processing cells to cytotoxic T cells.</p> <p>Mouse anti Rabbit MHC class I monomorphic, clone 73-2 is specific for the rabbit MHC class Ib and provides a useful flow cytometry marker of rabbit nucleated cells.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells or 100ul whole blood
<b>References</b>	<ol style="list-style-type: none"> <li>1. Yuan, T. <i>et al.</i> (2010) Chondrogenic differentiation and immunological properties of mesenchymal stem cells in collagen type I hydrogel. <a href="#">Biotechnol Prog. 26 (6): 1749-58.</a></li> <li>2. Sun, F. <i>et al.</i> (2023) Biomimetic in situ tracheal microvascularization for segmental tracheal reconstruction in one-step. <a href="#">Bioeng Transl Med. 8 (4): e10534.</a></li> </ol>
<b>Further Reading</b>	1. Sakai, A. <i>et al.</i> (1997) P-selectin and vascular cell adhesion molecule-1 are focally expressed in aortas of hypercholesterolemic rabbits before intimal accumulation of macrophages and T lymphocytes. <a href="#">Arterioscler Thromb Vasc Biol. 17: 310-6.</a>
<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA810GA">https://www.bio-rad-antibodies.com/SDS/MCA810GA</a>
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR117...) [DyLight®405](#), [FITC](#)

## Recommended Useful Reagents

[MOUSE ANTI RABBIT CD45 \(MCA808GA\)](#)

[MOUSE ANTI RABBIT CD4:FITC \(MCA799F\)](#)

[MOUSE ANTI RABBIT IgM \(B CELL MARKER\):RPE \(MCA812PE\)](#)

[MOUSE ANTI RABBIT IgM \(B CELL MARKER\):FITC \(MCA812F\)](#)

[MOUSE ANTI RABBIT MHC CLASS II DQ \(MCA811GA\)](#)

[MOUSE ANTI RABBIT CD8:FITC \(MCA1576F\)](#)

**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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