

## Datasheet: MCA152

**BATCH NUMBER 148871**

<b>Description:</b>	RAT ANTI MOUSE KAPPA LIGHT CHAIN
<b>Specificity:</b>	KAPPA LIGHT CHAIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	OX-20
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	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	▪			1/100
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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>	Mouse
<b>Product Form</b>	Purified IgG - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1 mg/ml

<b>Immunogen</b>	Purified mouse IgG.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01837</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">16071</a> Igk-C    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_321880
<b>Fusion Partners</b>	Spleen cells from an immunized PVG.RT1c rat were fused with cells of the rat Y3 Ag.1.2.3 myeloma cell line.
<b>Specificity</b>	<b>Rat anti Mouse kappa light chain antibody, clone OX-20</b> recognizes the kappa light chain of murine immunoglobulins. OX-20 does not recognize mouse lambda light chains or bind to the immunoglobulin heavy chain.
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Mason, D.W. <i>et al.</i> (1981) The rat mixed lymphocyte reaction: roles of a dendritic cell in intestinal lymph and T-cell subsets defined by monoclonal antibodies. <a href="#">Immunology. 44 (1): 75-87.</a></li> <li>2. White, R.A. <i>et al.</i> (1984) Differentiation markers in the Drosophila ovary. <a href="#">J Embryol Exp Morphol. 84: 275-86.</a></li> <li>3. Meyer, K.B. <i>et al.</i> (1990) The importance of the 3'-enhancer region in immunoglobulin kappa gene expression. <a href="#">Nucleic Acids Res. 18 (19): 5609-15.</a></li> <li>4. Thomas, M.J. <i>et al.</i> (1999) CD8 T-lymphocyte-mediated regulation of ovalbumin-specific murine IgE responses. <a href="#">Int Arch Allergy Immunol. 118 (2-4): 289-91.</a></li> <li>5. Wasserman, G.M. <i>et al.</i> (1993) An approach to development of specific T-lymphocyte lines by use of preprocessed antigens in <i>Plasmodium vinckei vinckei</i> murine malaria. <a href="#">Infect Immun. 61 (5): 1958-63.</a></li> <li>6. Thomas, M.J. <i>et al.</i> (2002) CD8 T cells inhibit IgE via dendritic cell IL-12 induction that promotes Th1 T cell counter-regulation. <a href="#">J Immunol. 168 (1): 216-23.</a></li> <li>7. Salagianni, M. <i>et al.</i> (2007) An essential role for IL-18 in CD8 T cell-mediated suppression of IgE responses. <a href="#">J Immunol. 178 (8): 4771-8.</a></li> </ol>
<b>Further Reading</b>	1. Galfrè, G. <i>et al.</i> (1979) Rat x rat hybrid myelomas and a monoclonal anti-Fd portion of mouse IgG. <a href="#">Nature. 277 (5692): 131-3.</a>
<b>Storage</b>	<p>Store at +4°C for one month or at -20°C for longer.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch

**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA152>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight@800</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight@550</a> , <a href="#">DyLight@650</a> , <a href="#">DyLight@800</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M365380:200529'

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