

## Datasheet: MCA152P

<b>Description:</b>	RAT ANTI MOUSE KAPPA LIGHT CHAIN:HRP
<b>Specificity:</b>	KAPPA LIGHT CHAIN
<b>Format:</b>	HRP
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	OX-20
<b>Isotype:</b>	IgG2b
<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			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/100 - 1/10,000
Immunoprecipitation			▪	
Western Blotting	▪			1/1000 - 1/10,000

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>	Mouse
<b>Product Form</b>	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.01% Thiomersal
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 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>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>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> <li>8. Blakney, A.K. <i>et al.</i> (2021) Innate Inhibiting Proteins Enhance Expression and Immunogenicity of Self-Amplifying RNA. <a href="#">Mol Ther. 29 (3): 1174-85.</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>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</b>	Material Safety Datasheet documentation #10094 available at:

**Information** 10094: <https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</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)  
'M387026:210608'

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