

## Datasheet: MCA1291P

**BATCH NUMBER 171245**

<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>	LO-MK-1
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.5 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
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			500ng/ml - 1000ng/ml
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>	Mouse
<b>Product Form</b>	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.0095% MIT
<b>Stabilisers</b>	50% glycerol
<b>Approx. Protein Concentrations</b>	IgG concentration 1 mg/ml
<b>Immunogen</b>	Purified mouse IgG1 kappa.

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P01837</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">16071</a> Igk-C <a href="#">Related reagents</a>
<b>RRID</b>	AB_2121630
<b>Fusion Partners</b>	Spleen cells from immunized LOU/c rats were fused with cells of the rat IR983F myeloma cell line.
<b>Specificity</b>	<b>Rat anti Mouse kappa light chain antibody, clone LO-MK-1</b> recognises the murine kappa immunoglobulin light chain, and does not cross-react murine immunoglobulin heavy chains or lambda light chains.
<b>ELISA</b>	This product may be used in a direct ELISA or as a detection reagent in a sandwich ELISA together with <a href="#">MCA1589</a> as the capture reagent
<b>References</b>	<ol style="list-style-type: none"> <li>1. Delaunay, T. <i>et al.</i> (1990) Rat (and mouse) monoclonal antibodies. VIII. ELISA measurement of Ig production in mouse hybridoma culture supernatants. <a href="#">J Immunol Methods. 131 (1): 33-9.</a></li> <li>2. Savignac, M. <i>et al.</i> (2010) Increased B cell proliferation and reduced Ig production in DREAM transgenic mice. <a href="#">J Immunol. 185:7527-36.</a></li> <li>3. Laffont, S. <i>et al.</i> (2017) Androgen signaling negatively controls group 2 innate lymphoid cells. <a href="#">J Exp Med. 214 (6): 1581-92.</a></li> <li>4. Mann, J.F.S. <i>et al.</i> (2022) Blocking T-cell egress with FTY720 extends DNA vaccine expression but reduces immunogenicity. <a href="#">Immunology. 165 (3): 301-11.</a></li> </ol>
<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 #20516 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1291P">https://www.bio-rad-antibodies.com/SDS/MCA1291P</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

**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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