

Datasheet: MCA1291P

BATCH NUMBER 147985

Description:	RAT ANTI MOUSE KAPPA LIGHT CHAIN:HRP
Specificity:	KAPPA LIGHT CHAIN
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	LO-MK-1
Isotype:	IgG2a
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			500ng/ml - 1000ng/ml
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.

Target Species	Mouse
Product Form	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
Preparation	Purified IgG prepared by affinity chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal 50% Glycerol
Approx. Protein Concentrations	IgG concentration 1 mg/ml

Immunogen	Purified mouse IgG1 kappa.
External Database Links	<p>UniProt: P01837 Related reagents</p> <p>Entrez Gene: 16071 Igk-C Related reagents</p>
RRID	AB_2121630
Fusion Partners	Spleen cells from immunized LOU/c rats were fused with cells of the rat IR983F myeloma cell line.
Specificity	Rat anti Mouse kappa light chain antibody, clone LO-MK-1 recognises the murine kappa immunoglobulin light chain, and does not cross-react murine immunoglobulin heavy chains or lambda light chains.
ELISA	This product may be used in a direct ELISA or as a detection reagent in a sandwich ELISA together with MCA1589 as the capture reagent.
References	<ol style="list-style-type: none"> 1. Delaunay, T. <i>et al.</i> (1990) Rat (and mouse) monoclonal antibodies. VIII. ELISA measurement of Ig production in mouse hybridoma culture supernatants. J Immunol Methods. 131 (1): 33-9. 2. Savignac, M. <i>et al.</i> (2010) Increased B cell proliferation and reduced Ig production in DREAM transgenic mice. J Immunol. 185:7527-36. 3. Laffont S <i>et al.</i> (2017) Androgen signaling negatively controls group 2 innate lymphoid cells. J Exp Med. pii: jem.20161807. [Epub ahead of print]
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10097 available at: https://www.bio-rad-antibodies.com/SDS/MCA1291P10097
Regulatory	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+ \(BUF054A\)](#)

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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
'M365095:200529'

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