

Datasheet: MCA152

BATCH NUMBER 163596

Description:	RAT ANTI MOUSE KAPPA LIGHT CHAIN
Specificity:	KAPPA LIGHT CHAIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	OX-20
Isotype:	IgG2b
Quantity:	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.

	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.

Target Species	Mouse
Product Form	Purified IgG - liquid
Preparation	Antibody purified from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	Purified mouse IgG.
External Database Links	<p>UniProt: P01837 Related reagents</p> <p>Entrez Gene: 16071 Igk-C Related reagents</p>
RRID	AB_321880
Fusion Partners	Spleen cells from an immunized PVG.RT1c rat were fused with cells of the rat Y3 Ag.1.2.3 myeloma cell line.
Specificity	Rat anti Mouse kappa light chain antibody, clone OX-20 recognizes the kappa light chain of murine immunoglobulins. OX-20 does not recognize mouse lambda light chains or bind to the immunoglobulin heavy chain.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 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. Immunology. 44 (1): 75-87. 2. White, R.A. <i>et al.</i> (1984) Differentiation markers in the Drosophila ovary. J Embryol Exp Morphol. 84: 275-86. 3. Meyer, K.B. <i>et al.</i> (1990) The importance of the 3'-enhancer region in immunoglobulin kappa gene expression. Nucleic Acids Res. 18 (19): 5609-15. 4. Thomas, M.J. <i>et al.</i> (1999) CD8 T-lymphocyte-mediated regulation of ovalbumin-specific murine IgE responses. Int Arch Allergy Immunol. 118 (2-4): 289-91. 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. Infect Immun. 61 (5): 1958-63. 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. J Immunol. 168 (1): 216-23. 7. Salagianni, M. <i>et al.</i> (2007) An essential role for IL-18 in CD8 T cell-mediated suppression of IgE responses. J Immunol. 178 (8): 4771-8. 8. Blakney, A.K. <i>et al.</i> (2021) Innate Inhibiting Proteins Enhance Expression and Immunogenicity of Self-Amplifying RNA. Mol Ther. 29 (3): 1174-85.
Further Reading	1. Galfrè, G. <i>et al.</i> (1979) Rat x rat hybrid myelomas and a monoclonal anti-Fd portion of mouse IgG. Nature. 277 (5692): 131-3.
Storage	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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA152 10040
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight@800
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight@550 , DyLight@650 , DyLight@800
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (STAR69...)	FITC

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