

Datasheet: MCA152P

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

	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.

Target Species	Mouse
Product Form	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	Purified mouse IgG.
External Database Links	<p>UniProt: P01837 Related reagents</p> <p>Entrez Gene: 16071 Igk-C Related reagents</p>
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.
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	<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>
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10094 available at:

Information <https://www.bio-rad-antibodies.com/SDS/MCA152P>
10094

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M387026:210608'

Printed on 18 Jan 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)