

Datasheet: MCA152P

BATCH NUMBER 160158

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	IgG concentration 1.0 mg/ml

Concentrations

Immunogen Purified mouse IgG.

External Database Links

UniProt:

[P01837](#) [Related reagents](#)

Entrez Gene:

[16071](#) Igk-C [Related reagents](#)

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

1. Mason, D.W. *et al.* (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. *et al.* (1984) Differentiation markers in the Drosophila ovary. [J Embryol Exp Morphol. 84: 275-86.](#)
 3. Meyer, K.B. *et al.* (1990) The importance of the 3'-enhancer region in immunoglobulin kappa gene expression. [Nucleic Acids Res. 18 \(19\): 5609-15.](#)
 4. Thomas, M.J. *et al.* (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. *et al.* (1993) An approach to development of specific T-lymphocyte lines by use of preprocessed antigens in *Plasmodium vinckei vinckei* murine malaria. [Infect Immun. 61 \(5\): 1958-63.](#)
 6. Thomas, M.J. *et al.* (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. *et al.* (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. *et al.* (2021) Innate Inhibiting Proteins Enhance Expression and Immunogenicity of Self-Amplifying RNA. [Mol Ther. 29 \(3\): 1174-85.](#)
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Further Reading 1. Galfrè, G. *et al.* (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

**Health And Safety
Information**

Material Safety Datasheet documentation #10094 available at:
<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 \(STAR209P\)](#)

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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)

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