

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 A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.01% Thiomersal
Stabilisers	HRP Stabiliser (BUF052A)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
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.
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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.
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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.
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Further Reading	<ol style="list-style-type: none">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.
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Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
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Guarantee	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10131 available at: 10131: https://www.bio-rad-antibodies.com/uploads/MSDS/10131.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Useful Reagents

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

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