Datasheet: MCA152

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
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	**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.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.
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.
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	Store at +4°C for one month or at -20°C for longer. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP

Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®549, DyLight®649, DyLight®800
Goat Anti Rat IgG (STAR131...)	Alk. Phos., Biotin
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP

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