

Datasheet: MCA49P BATCH NUMBER 1711

Description:	MOUSE ANTI RAT KAPPA LIGHT CHAIN:HRP		
Specificity:	KAPPA LIGHT CHAIN (IgKa PREFERENCE)		
Format:	HRP		
Product Type:	Monoclonal Antibody		
Clone:	OX-12		
Isotype:	lgG2a		
Quantity:	0.5 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				1/500 - 1/1000
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	Rat
Product Form	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	F(ab') ₂ fragment of rat IgG.				
External Database Links	UniProt: P01836 Related reagents				
	P01835 Related reagents				
	Entrez Gene: <u>500180</u> LOC500180 <u>Related reagents</u>				
RRID	AB_567002				
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.				
Specificity	Mouse anti Rat Kappa Light Chain antibody, clone OX-12 recognizes rat kappa chains, showing a marked preference for binding to the Igk ^a allotype which is present in AGUS, AO, AUG, BN, LEW, LOU, PVG and WAG strains but not in ACI, DA, F344, MSU or SHR rat strains.				
	This product is routinely tested in flow cytometry on rat splenic lymphocytes.				
References	 Hunt, S.V. & Fowler, M.H. (1981) A repopulation assay for B and T lymphocyte stem cells employing radiation chimaeras. <u>Cell Tissue Kinet. 14 (4): 445-64.</u> Bukovský, A. <i>et al.</i> (1984) Association of some cell surface antigens of lymphoid cells and cell surface differentiation antigens with early rat pregnancy. <u>Immunology. 52 (4): 631-40.</u> 				
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- 6. Penny, M.J. *et al.* (1997) Role of T cells in the mediation of Heymann nephritis. ii. Identification of Th1 and cytotoxic cells in glomeruli. <u>Kidney Int. 51 (4): 1059-68.</u>
- 7. Cisternas, P.A. & Armati, P.J. (2000) Immune system cell markers in the northern brown bandicoot, *Isoodon macrourus*. <u>Dev Comp Immunol. 24 (8): 771-82.</u>
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- 9. Pérez-cano, F.J. *et al.* (2007) Phenotypic and functional characteristics of rat spleen lymphocytes during suckling. <u>Dev Comp Immunol</u>. 31 (12): 1264-77.
- 10. Mccormack, E. *et al.* (2010) Lentinan: hematopoietic, immunological, and efficacy studies in a syngeneic model of acute myeloid leukemia. <u>Nutr Cancer. 62 (5): 574-83.</u>
- 11. Emara, A.M. & Draz, E.I. (2007) Immunotoxicological study of one of the most common over-the-counter pyrethroid insecticide products in Egypt. <u>Inhal Toxicol. 19 (12):</u>

997-1009.

Storage	Store at +4°C or at -20°C if preferred.
	This product should be stored undiluted.
	Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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/MCA49P 10094
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

AbGUARD® HRP STABILIZER PLUS (BUF052A)
AbGUARD® HRP STABILIZER PLUS (BUF052B)
AbGUARD® HRP STABILIZER PLUS (BUF052C)
TMB CORE (BUF056A)
TMB CORE+ (BUF062A)

TMB SIGNAL+ (BUF054A)

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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 'M368108:200529'

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