

Datasheet: MCA49P

BATCH NUMBER 168153

Description:	MOUSE ANTI RAT KAPPA LIGHT CHAIN:HRP
Specificity:	KAPPA LIGHT CHAIN (IgKa PREFERENCE)
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	OX-12
Isotype:	IgG2a
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 A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.0095% MIT
Approx. Protein	IgG concentration 1.0 mg/ml

Concentrations

Immunogen F(ab')₂ fragment of rat IgG.

External Database Links

UniProt:

[P01836](#) [Related reagents](#)

[P01835](#) [Related reagents](#)

Entrez Gene:

[500180](#) LOC500180 [Related reagents](#)

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

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2. Bukovský, A. *et al.* (1984) Association of some cell surface antigens of lymphoid cells and cell surface differentiation antigens with early rat pregnancy. [Immunology. 52 \(4\): 631-40.](#)
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8. Pabst, R. *et al.* (2009) TLR2/6 stimulation of the rat lung: effects on lymphocyte subsets, natural killer cells and dendritic cells in different parts of the air-conducting compartments and at different ages. [Immunology. 126 \(1\): 132-9.](#)
9. Pérez-cano, F.J. *et al.* (2007) Phenotypic and functional characteristics of rat spleen lymphocytes during suckling. [Dev Comp Immunol. 31 \(12\): 1264-77.](#)
10. McCormack, E. *et al.* (2010) Lentinan: hematopoietic, immunological, and efficacy studies in a syngeneic model of acute myeloid leukemia. [Nutr Cancer. 62 \(5\): 574-83.](#)

11. Emara, A.M. & Draz, E.I. (2007) Immunotoxicological study of one of the most common over-the-counter pyrethroid insecticide products in Egypt. [Inhal Toxicol. 19 \(12\): 997-1009.](#)

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 #20479 available at: <https://www.bio-rad-antibodies.com/SDS/MCA49P>
20479

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](https://www.bio-rad-antibodies.com/datasheets)

'M429707:240411'

Printed on 11 Apr 2024

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