

Datasheet: MCA49P

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|----------------------|--------------------------------------|
| 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

RRID AB_567002

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 **UniProt:**

Links [P01836](#) [Related reagents](#)
 [P01835](#) [Related reagents](#)

Entrez Gene:

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

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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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 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 18 months from date of despatch.

Health And Safety Material Safety Datasheet documentation #10094 available at:

Information 10094: <https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf>

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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