

Datasheet: MCA1296P

Description:	MOUSE ANTI RAT KAPPA/LAMBDA LIGHT CHAIN:HRP
Specificity:	KAPPA/LAMBDA LIGHT CHAIN
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	MARK-1/MARL-15
Isotype:	IgG1
Quantity:	0.5 mg

Product Details

RRID AB_322603

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
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.5ug/ml as detecting antibody
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 from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative 50% Glycerol
Stabilisers 0.01% Thiomersal

Approx. Protein Concentrations IgG concentration 1 mg/ml

Immunogen MARK-1: Rat kappa light chains (IR202 and IR968) MARL-15: Rat lambda light chains (RH58, IR31)

**External Database
Links**

UniProt:

[P01835](#) [Related reagents](#)
[P01836](#) [Related reagents](#)
[P20766](#) [Related reagents](#)
[P20767](#) [Related reagents](#)

Entrez Gene:

[500180](#) LOC500180 [Related reagents](#)
[363828](#) RGD1564318 [Related reagents](#)

Fusion Partners

Spleen cells from immunized BALB/c mice were fused with cells of the SP2/0 (MARK-1) or PAI-O (MARL-15) mouse myeloma cell line.

Specificity

Mouse anti Rat Kappa/Lambda Light Chain: antibody cocktail is a mixture of clones MARK-1 and MARL-15 recognizing rat kappa and lambda light chains respectively. The cocktail does not recognize immunoglobulin heavy chains.

ELISA

HRP-conjugated MARK-1/MARL-15 clone cocktail may be used as a detection reagent for rat immunoglobulins in ELISA assays and can be used in combination with coating antibodies:

rat IgG1 [MCA194](#)
rat IgG2a [MCA278](#)
rat IgG2b [MCA1294](#)
rat IgG2c [MCA1295](#)
rat IgM [MCA189](#)
rat IgE [MCA193](#)
rat IgA [MCA191](#)

References

1. Daley, S.R. *et al.* (2007) A key role for TGF-beta signaling to T cells in the long-term acceptance of allografts. [J Immunol. 179 \(6\): 3648-54.](#)
2. Daley, S.R. *et al.* (2008) Fc-disabled anti-mouse CD40L antibodies retain efficacy in promoting transplantation tolerance. [Am J Transplant. 8 \(11\): 2265-71.](#)
3. Sun, Q. *et al.* (2012) Upregulated protein arginine methyltransferase 1 by IL-4 increases eotaxin-1 expression in airway epithelial cells and participates in antigen-induced pulmonary inflammation in rats. [J Immunol. 188 \(7\): 3506-12.](#)
4. Cousins, L. *et al.* (2006) Eosinophilic bowel disease controlled by the BB rat-derived lymphopenia/Gimap5 gene. [Gastroenterology. 131:1475-85.](#)
5. Sandin, L.C. *et al.* (2014) Locally delivered CD40 agonist antibody accumulates in secondary lymphoid organs and eradicates experimental disseminated bladder cancer. [Cancer Immunol Res. 2 \(1\): 80-90.](#)

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 Information Material Safety Datasheet documentation #10097 available at:
10097: <https://www.bio-rad-antibodies.com/uploads/MSDS/10097.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+ \(BUF054A\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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