

Datasheet: MCA1296P

BATCH NUMBER 168916

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

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 product 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 product 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 from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.01% Thiomersal
Stabilisers	50% glycerol
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	<p>UniProt:</p> <p>P01835 Related reagents</p> <p>P01836 Related reagents</p> <p>P20766 Related reagents</p> <p>P20767 Related reagents</p> <p>Entrez Gene:</p> <p>500180 LOC500180 Related reagents</p> <p>363828 RGD1564318 Related reagents</p>
RRID	AB_322603
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	<p>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:</p> <p>rat IgG1 MCA194</p> <p>rat IgG2a MCA278</p> <p>rat IgG2b MCA1294</p> <p>rat IgG2c MCA1295</p> <p>rat IgM MCA189</p> <p>rat IgE MCA193</p> <p>rat IgA MCA191</p>
References	<ol style="list-style-type: none"> Cousins, L. <i>et al.</i> (2006) Eosinophilic bowel disease controlled by the BB rat-derived lymphopenia/Gimap5 gene. Gastroenterology. 131:1475-85. Daley, S.R. <i>et al.</i> (2007) A key role for TGF-beta signaling to T cells in the long-term acceptance of allografts. J Immunol. 179 (6): 3648-54. Daley, S.R. <i>et al.</i> (2008) Fc-disabled anti-mouse CD40L antibodies retain efficacy in promoting transplantation tolerance. Am J Transplant. 8 (11): 2265-71. Sun, Q. <i>et al.</i> (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. Sandin, L.C. <i>et al.</i> (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	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 #10097 available at: https://www.bio-rad-antibodies.com/SDS/MCA1296P 10097
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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