

Datasheet: YSRTMCA189B

Description:	MOUSE ANTI RAT IgM HEAVY CHAIN:Biotin
Specificity:	IgM HEAVY CHAIN
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	MARM-4
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.

Suggested dilution	
ELISA	125ng/ml as detecting antibody

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 Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	
Stabilisers	0.09% Sodium Azide 50% Glycerol
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	IR202 rat IgM myeloma protein
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity	YSRT MCA189B recognises rat IgM and does not react with other rat immunoglobulin isotypes.
References	<p>1. Bazin, H. <i>et al.</i> (1974) Three classes and four (sub)classes of rat immunoglobulins: IgM, IgA, IgE and IgG1, IgG2a, IgG2b, IgG2c Eur.J.Immunol.1974,4:44-48.</p> <p>2. Bazin, H. <i>et al.</i> (1978) Transplantable IgD immunoglobulin-secreting tumors in rat Immunol.121:2077-2082.</p> <p>3. Khalifeh, M.S. <i>et al.</i> (2010) Investigation of the role of tumour necrosis factor-α, interleukin-1β, interleukin-10, nitric oxide and rheumatoid factor-immunoglobulin M in a rat model of arthritis. LabAnim.44:143-9.</p>
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.
Shelf Life	18 months from date of despatch.