



## DATA SHEET

<b>Data sheet:</b>	YSRTMCA189
<b>Description:</b>	MOUSE ANTI RAT IgM HEAVY CHAIN
<b>Specificity:</b>	IgM HEAVY CHAIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MARM-4
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.25 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.  
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.

<b>Target Species</b>	Rat
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline

### **Preservative Stabilisers**

0.09% Sodium Azide

### **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** YSRTMCA189 recognises rat IgM, and does not react with other rat immunoglobulin isotypes.

**ELISA** This antibody may be used as a coating antibody in a sandwich ELISA in combination with clone MARK-1/MAR-15 (YSRTMCA1296P) as detection reagent and purified rat IgM (YSRTPRP08).

**References**

1. Bazin, H. et al. (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.
2. Bazin, H. et al. (1978) Transplantable IgD immunoglobulin-secreting tumors in rat Immunol. 121: 2077-2082.
3. Khalifeh, M.S. et al. (2010) Investigation of the role of tumour necrosis factor- $\alpha$ , interleukin-1 $\beta$ , interleukin-10, nitric oxide and rheumatoid factor-immunoglobulin M in a rat model of arthritis. Lab Anim. 44: 143-9.



## DATA SHEET

---

**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

GENTAUR