

## Datasheet: MCA424B

<b>Description:</b>	RAT ANTI MOUSE IgG HEAVY CHAIN:Biotin
<b>Specificity:</b>	IgG HEAVY CHAIN
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	COCKTAIL
<b>Isotype:</b>	Cocktail
<b>Quantity:</b>	0.5 mg

## Product Details

**RRID** AB\_321925

**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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1.0ug/ml
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** Mouse

**Product Form** Purified IgG conjugated to Biotin - liquid

**Preparation** Purified IgG prepared by affinity chromatography on mouse Ig/Sepharose 4B from tissue culture supernatant

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.1% Sodium Azide  
**Stabilisers** 50% Glycerol

**Approx. Protein Concentrations** IgG concentration 1 mg/ml

**Immunogen** Purified IgG from BALB/c mice.

**External Database  
Links**

**UniProt:**

[P01869](#) [Related reagents](#)  
[P01865](#) [Related reagents](#)  
[P03987](#) [Related reagents](#)  
[P01867](#) [Related reagents](#)  
[P01864](#) [Related reagents](#)  
[P01868](#) [Related reagents](#)

**Entrez Gene:**

[16017](#) Ighg1 [Related reagents](#)  
[380793](#) Igh-1a [Related reagents](#)  
[16016](#) Ighg2b [Related reagents](#)  
[16017](#) Ighg1 [Related reagents](#)  
[380793](#) Igh-1a [Related reagents](#)  
[380795](#) AI324046 [Related reagents](#)

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**Synonyms**

Igh-4

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**Fusion Partners**

Spleen cells from immunised LOU/c rats were fused with cells of the IR983F rat myeloma cell line.

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**Specificity**

**Rat anti Mouse IgG Heavy Chain antibody cocktail** has been shown to be specific for the gamma heavy chain of mouse immunoglobulin by immunoblotting techniques. It recognizes IgG2a and 2b strongly and IgG1 and IgG3 more weakly.

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**References**

1. Bazin, H. (1982) Production of rat monoclonal antibodies with the LOU rat non secreting IR983F myeloma cell line. Prot. Biol. Fluids. Peters Ed: 29th Colloquim (1981). Pergamon Press, Oxford and N.Y., pp 615-618.  
2. Bazin, H. *et al.* (1984) Rat monoclonal antibodies. II. A rapid and efficient method of purification from ascitic fluid or serum [J. Immunol. Methods 71: 9 -16](#)

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**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.

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**Guarantee**

18 months from date of despatch.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10328 available at:  
10328: <https://www.bio-rad-antibodies.com/uploads/MSDS/10328.pdf>

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**Regulatory**

For research purposes only

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