

## Datasheet: MCA424

**BATCH NUMBER 166923**

<b>Description:</b>	RAT ANTI MOUSE IgG HEAVY CHAIN
<b>Specificity:</b>	IgG HEAVY CHAIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	COCKTAIL
<b>Isotype:</b>	Cocktail
<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. 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	▪			1.25ug/ml
Immunoprecipitation			▪	
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.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on mouse IgG/Sepharose 4B from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide
<b>Approx. Protein</b>	IgG concentration 1.0 mg/ml

## Concentrations

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

## External Database Links

### UniProt:

<a href="#">P01869</a>	<a href="#">Related reagents</a>
<a href="#">P01865</a>	<a href="#">Related reagents</a>
<a href="#">P03987</a>	<a href="#">Related reagents</a>
<a href="#">P01867</a>	<a href="#">Related reagents</a>
<a href="#">P01864</a>	<a href="#">Related reagents</a>
<a href="#">P01868</a>	<a href="#">Related reagents</a>

### Entrez Gene:

<a href="#">16017</a>	Ighg1	<a href="#">Related reagents</a>
<a href="#">380793</a>	Igh-1a	<a href="#">Related reagents</a>
<a href="#">16016</a>	Ighg2b	<a href="#">Related reagents</a>
<a href="#">16017</a>	Ighg1	<a href="#">Related reagents</a>
<a href="#">380793</a>	Igh-1a	<a href="#">Related reagents</a>
<a href="#">380795</a>	AI324046	<a href="#">Related reagents</a>

**Synonyms** Igh-4

**RRID** AB\_321924

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

**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.

**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](#)

**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** Material Safety Datasheet documentation #10040 available at:

**Information** <https://www.bio-rad-antibodies.com/SDS/MCA424>  
10040

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**Regulatory** For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M384047:210513'

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