

Datasheet: MCA424

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|----------------------|--------------------------------|
| Description: | RAT ANTI MOUSE IgG HEAVY CHAIN |
| Specificity: | IgG HEAVY CHAIN |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | COCKTAIL |
| Isotype: | Cocktail |
| Quantity: | 0.25 mg |

Product Details

RRID AB_321924

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 |
|----------------------------|-----|----|----------------|--------------------|
| 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.

Target Species Mouse

Product Form Purified IgG - liquid

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

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.1% Sodium Azide

Approx. Protein Concentrations IgG concentration 1.0 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](#)

Synonyms

Igh-4

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

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.

Guarantee

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10303 available at:
10303: <https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf>

Regulatory

For research purposes only

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