Datasheet: MCA424B

Description:	RAT ANTI MOUSE IgG HEAVY CHAIN:Biotin
Specificity:	IgG HEAVY CHAIN
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	COCKTAIL
Isotype:	Cocktail
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. 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	▪			1.0ug/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 Stabilisers	0.1% Sodium Azide 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
Synonyms	Igh-4
RRID	AB_321925
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 Information	Material Safety Datasheet documentation #10328 available at: https://www.bio-rad-antibodies.com/SDS/MCA424B

	10328
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

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