

Datasheet: MCA693

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| Description: | MOUSE ANTI HUMAN J CHAIN |
| Specificity: | J CHAIN |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | Mc19-9 |
| Isotype: | IgG1 |
| Quantity: | 0.2 mg |

Product Details

RRID AB_2121623

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 | ▪ | | | 1/200 |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | 5ug/ml |
| Immunoprecipitation | ▪ | | | 20ug/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 Human

Product Form Purified IgG - liquid

Preparation Purified IgG prepared by affinity chromatography on Protein A from ascites

Buffer Solution TRIS buffered saline.

Preservative Stabilisers 0.09% Sodium Azide

Approx. Protein Concentrations IgG concentration 1 mg/ml

Immunogen Human J Chain.

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell

line.

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| Specificity | <p>Mouse anti Human J chain antibody, clone Mc19-9 reacts with human J chain as tested by ELISA using purified human Ig fragments as the solid phase target antigen.</p> <p>Mouse anti Human J chain antibody, clone Mc19-9 does not detect J chain in intact IgM in ELISA assays due to steric hindrance. In Western blotting techniques Mouse anti Human J chain antibody, clone Mc19-9 detects J chain in IgM only under reducing conditions.</p> |
| References | <ol style="list-style-type: none">1. Arnold, J.N. <i>et al.</i> (2005) Human serum IgM glycosylation: identification of glycoforms that can bind to mannan-binding lectin. J Biol Chem. 280 (32): 29080-7.2. Almogren, A. <i>et al.</i> (2006) Purification, properties and extended solution structure of the complex formed between human immunoglobulin A1 and human serum albumin by scattering and ultracentrifugation. J Mol Biol. 356 (2): 413-31. |
| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>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.</p> |
| Guarantee | 18 months from date of despatch. |
| Health And Safety Information | Material Safety Datasheet documentation #10057 available at: 10057: https://www.bio-rad-antibodies.com/uploads/MSDS/10057.pdf |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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|---|---|
| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos. , HRP |
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Rabbit Anti Mouse IgG (STAR8...) | DyLight®800 |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| Goat Anti Mouse IgG (STAR70...) | FITC |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |
| Goat Anti Mouse IgG (H/L) (STAR117...) | Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP |

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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