

Datasheet: MCA6096

**BATCH NUMBER 156026**

|                      |                                  |
|----------------------|----------------------------------|
| <b>Description:</b>  | MOUSE ANTI HEAT SHOCK PROTEIN 70 |
| <b>Specificity:</b>  | HEAT SHOCK PROTEIN 70            |
| <b>Other names:</b>  | HSP70                            |
| <b>Format:</b>       | Purified                         |
| <b>Product Type:</b> | Monoclonal Antibody              |
| <b>Clone:</b>        | C92F3A-5                         |
| <b>Isotype:</b>      | IgG                              |
| <b>Quantity:</b>     | 0.1 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             | ▪   |    |                | 1/1000             |
| Immunohistology - Paraffin | ▪   |    |                | 1/10000            |
| ELISA                      | ▪   |    |                |                    |
| Western Blotting           | ▪   |    |                | 1/1000             |
| Immunofluorescence         | ▪   |    |                | 1/1000             |
| Immunocytochemistry        | ▪   |    |                | 1/1000             |

Where this product 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 product for use in their own system using appropriate negative/positive controls.

|                                 |   |
|---------------------------------|---|
| <b>Target Species</b>           | Human   |
| <b>Species Cross Reactivity</b> | <p>Reacts with: Bovine, Dog, Drosophila, Mouse, Rat, Chicken, Guinea Pig, Hamster, Caenorhabditis, Pig, Rabbit, Sheep</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p> |
| <b>Product Form</b>             | Purified IgG - liquid   |

|                                       |  |
|---------------------------------------|--|
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein G  |
| <b>Buffer Solution</b>                | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b>       | 0.1% Sodium Azide (NaN <sub>3</sub> )<br>50% Glycerol  |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml  |
| <b>Immunogen</b>                      | Human Heat Shock Protein 70  |
| <b>External Database Links</b>        | <b>UniProt:</b><br><a href="#">P0DMV8</a> <a href="#">Related reagents</a><br><a href="#">P0DMV9</a> <a href="#">Related reagents</a>  |
| <b>Specificity</b>                    | <p><b>Mouse anti heat shock protein 70 antibody, clone C92F3A-5</b> recognizes human heat shock protein 70 (HSP70), a member of the highly related HSP70 family, which range in size from 66-78kDa.</p> <p>Heat shock proteins are a group of heat- or stress-inducible proteins which act as molecular chaperones and as essential regulators of cellular processes, including protein folding. HSP70 acts alongside other chaperones to mediate the folding of newly-synthesized peptide sequences, stabilize proteins against aggregation, and assist in protein transmembrane transport.</p> <p>This antibody does not cross-react with HSC70 (HSP73).</p> |
| <b>Storage</b>                        | <p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>  |
| <b>Guarantee</b>                      | 12 months from date of despatch  |
| <b>Health And Safety Information</b>  | <p>Material Safety Datasheet documentation #10328 available at:<br/> <a href="https://www.bio-rad-antibodies.com/SDS/MCA6096">https://www.bio-rad-antibodies.com/SDS/MCA6096</a><br/> 10328</p>  |
| <b>Regulatory</b>                     | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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://bio-rad-antibodies.com/datasheets)

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**Printed on 12 Aug 2023**

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