

Datasheet: MCA6096

**BATCH NUMBER 180627**

<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.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Bovine, Dog, Drosophila, Mouse, Rat, Chicken, Guinea Pig, Hamster, Caenorhabditis, Pig, Rabbit, Sheep

**N.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.

### Product Form

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> ) 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> <a href="#">P0DMV8</a> <a href="#">Related reagents</a> <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:  <a href="https://www.bio-rad-antibodies.com/SDS/MCA6096">https://www.bio-rad-antibodies.com/SDS/MCA6096</a>  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 IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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

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

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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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