

Datasheet: MCA6096

Description:	MOUSE ANTI HEAT SHOCK PROTEIN 70
Specificity:	HEAT SHOCK PROTEIN 70
Other names:	HSP70
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C92F3A-5
Isotype:	IgG
Quantity:	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.

	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

Preparation

Purified IgG prepared by affinity chromatography on Protein G from ascites

Buffer Solution	Phosphate buffered saline
Preservative	0.1% Sodium Azide (NaN ₃)
Stabilisers	50% Glycerol
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Human Heat Shock Protein 70
External Database Links	UniProt: P0DMV8 Related reagents P0DMV9 Related reagents
Specificity	<p>Mouse anti heat shock protein 70 antibody, clone C92F3A-5 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>
Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10328 available at: https://www.bio-rad-antibodies.com/SDS/MCA6096 10328</p>
Regulatory	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

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