

Datasheet: VMA00042

Description:	MOUSE ANTI HEAT SHOCK PROTEIN 70
Specificity:	HEAT SHOCK PROTEIN 70
Other names:	HSP70
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG1
Quantity:	100 µl

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
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein G from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Recombinant human HSP70, amino acids 1-641, purified from <i>E. coli</i>
External Database Links	<p>UniProt: P08107 Related reagents</p> <p>Entrez Gene: 3304 HSPA1B Related reagents</p>
Synonyms	HSPA1
Specificity	Mouse anti Human heat shock protein 70 antibody recognizes human heat shock protein 70

(HSP70), also known as heat shock 70 kDa protein 1A/1B, a 641 amino acid member of the HSP70 family expressed in the cytoplasm, which range in size from 66-78 kDa.

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.

Mouse anti Human heat shock protein 70 antibody recognizes human HSP70 as a single band of ~70 kDa in multiple human cell line lysates.

Western Blotting	Anti heat shock protein 70 antibody detects a band of approximately 70 kDa in HeLa cell lysates.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

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