

Datasheet: VMA00336

Description:	MOUSE ANTI HEAT SHOCK PROTEIN 27
Specificity:	HEAT SHOCK PROTEIN 27
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	CPTC9
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

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. 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 dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

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

Mouse monoclonal antibody prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide (NaN₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 0.5 mg/ml

Immunogen Recombinant protein corresponding to amino acids 97-112 of human heat shock protein 27

External Database Links

UniProt:
[P04792](#) [Related reagents](#)

Entrez Gene:
[3315](#) HSPB1 [Related reagents](#)

Synonyms HSP27, HSP28

Specificity **Mouse anti Human heat shock protein 27 antibody** recognizes heat shock protein 27, also known as heat shock protein beta-1, 28 kDa heat shock protein, HSP 27, epididymis secretory protein Li 102, estrogen-regulated 24 kDa protein, heat shock 27 kDa protein, heat shock 27kD protein 1, heat shock protein beta-1 and stress-responsive protein 27.

Encoded by HSPB1 gene, heat shock protein 27 is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in HSPB1 are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN) (provided by RefSeq, Oct 2008).

Mouse anti Human heat shock protein 27 antibody detects a band of 27 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti heat shock protein 27 detects a band of approximately 27 kDa in K562 cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee 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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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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