Datasheet: VMA00586

Description: MOUSE ANTI HEAT SHOCK PROTEIN 72
Specificity: HEAT SHOCK PROTEIN 72
Format: Purified
Product Type: PrecisionAb Monoclonal
Isotype: IgG2b
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.

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<th>Suggested Dilution</th>
<th>Western Blotting</th>
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<td>1/1000</td>
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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.

Product Form
Purified IgG - liquid

Preparation
Mouse monoclonal antibody purified by affinity chromatography on Protein G from ascites

Buffer Solution
HEPES buffered saline

Preservative
0.09% Sodium Azide (NaN₃)
1% Bovine Serum Albumin
<50% Glycerol

Stabilisers

Immunogen
E. coli-derived recombinant human heat shock protein 72

External Database Links
UniProt:
P0DMV8
Related reagents

Specificity
Mouse anti Human heat shock protein 72 antibody recognizes the heat shock 70 kDa protein 1A/1B, also known as HSP70-1/HSP70-2, HSP70.1/HSP70.2, dnaK-type molecular chaperone
HSP70-1, epididymis secretory protein Li 103, or heat shock 70 kDa protein 1/2.

The HSP70 intronless gene encodes a 70 kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins (provided by RefSeq, Jul 2008).

Mouse anti Human heat shock protein 72 antibody detects a band of 70 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

### Western Blotting

Anti heat shock protein 72 detects a band of approximately 70 kDa in HEK293 cell lysates

### Storage

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

### Guarantee

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 #20359 available at:

### Regulatory

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)