

Datasheet: VMA00570

**BATCH NUMBER 170420**

|                      |  |
|----------------------|--|
| <b>Description:</b>  | MOUSE ANTI HEAT SHOCK 70 kDa PROTEIN 5 |
| <b>Specificity:</b>  | HEAT SHOCK 70 kDa PROTEIN 5            |
| <b>Format:</b>       | Purified                               |
| <b>Product Type:</b> | PrecisionAb Monoclonal                 |
| <b>Clone:</b>        | CD01/1A7                               |
| <b>Isotype:</b>      | IgG1                                   |
| <b>Quantity:</b>     | 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](http://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.

|                                 |   |
|---------------------------------|---|
| <b>Target Species</b>           | Human   |
| <b>Species Cross Reactivity</b> | Reacts with: Mouse, Rat<br><b>N.B.</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. |
| <b>Product Form</b>             | Purified IgG - liquid   |
| <b>Preparation</b>              | Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant  |
| <b>Buffer Solution</b>          | Phosphate buffered saline   |

|                                      |  |
|--------------------------------------|--|
| <b>Preservative Stabilisers</b>      | 0.09% Sodium Azide (NaN <sub>3</sub> )   |
| <b>Immunogen</b>                     | <i>E. coli</i> -derived recombinant human heat shock 70 kDa protein 5 (amino acids 1 - 654)  |
| <b>External Database Links</b>       | <p><b>UniProt:</b><br/> <a href="#">P11021</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">3309</a>    HSPA5    <a href="#">Related reagents</a></p>   |
| <b>Synonyms</b>                      | GRP78  |
| <b>Specificity</b>                   | <p><b>Mouse anti Human heat shock 70 kDa protein 5 antibody</b> recognizes heat shock 70 kDa protein 5 also known as GRP78, HSPA5 or 78 kDa glucose-regulated protein.</p> <p>Heat shock 70 kDa protein 5 is a member of the heat shock protein 70 (HSP70) family. It is localized in the lumen of the endoplasmic reticulum (ER), and is involved in the folding and assembly of proteins in the ER. As this protein interacts with many ER proteins, it may play a key role in monitoring protein transport through the cell (provided by RefSeq, Sep 2010).</p> <p>Mouse anti Human heat shock 70 kDa Protein 5 antibody detects a band of 78 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| <b>Western Blotting</b>              | Anti heat shock 70 kDa protein 5 detects a band of approximately 78 kDa in HeLa cell lysates   |
| <b>Storage</b>                       | Store undiluted at -20°C, avoiding repeated freeze thaw cycles.  |
| <b>Guarantee</b>                     | 12 months from date of despatch  |
| <b>Acknowledgements</b>              | PrecisionAb is a trademark of Bio-Rad Laboratories.  |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00570">https://www.bio-rad-antibodies.com/SDS/VMA00570</a><br>Antibody (10040)   |
| <b>Regulatory</b>                    | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

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

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
|----------------------------------|---|------------------|---|---------------|---|

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)

'M370288:200529'

**Printed on 19 Jan 2024**

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