

Datasheet: VMA00600

Description:	HUMAN ANTI Hsc70
Specificity:	Hsc70
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Isotype:	HuCAL Fab bivalent
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, Rat

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

Human monoclonal antibody purified by metal chelate affinity chromatography from *E. coli* extract

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

Immunogen *E. coli*-derived recombinant human Hsc70 protein (aa 1-646)

External Database

Links

UniProt:

[P11142](#) [Related reagents](#)

Entrez Gene:

[3312](#) HSPA8 [Related reagents](#)

Synonyms

HSC70, HSP73, HSPA10

Fusion Partners

XYZ

Specificity

Human anti Human Hsc70 antibody recognizes the heat shock protein family A (Hsp70) member 8 also known as LPS-associated protein 1, N-myristoyltransferase inhibitor protein 71, constitutive heat shock protein 70 or heat shock cognate protein 54.

This gene encodes a member of the heat shock protein 70 family, which contains both heat-inducible and constitutively expressed members. This protein belongs to the latter group, which are also referred to as heat-shock cognate proteins. It functions as a chaperone, and binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Alternatively spliced transcript variants encoding different isoforms have been found for this gene (provided by RefSeq, Aug 2011).

Human anti Human Hsc70 antibody detects a band of 73 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Human anti Hsc70 antibody detects a band of approximately 73 kDa in K562 cell lysates

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the protein. Storage in frost-free freezers is not recommended.

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 Human IgG F(ab')₂ (STAR126...) [HRP](#)

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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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