

Datasheet: VMA00307

BATCH NUMBER 172037

Description:	MOUSE ANTI VCP
Specificity:	VCP
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	1344CT150.163.114
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. Learn about [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

Mouse monoclonal antibody prepared by affinity chromatography on Protein G from ascites.

Buffer Solution

Phosphate buffered saline.

Preservative

0.09% Sodium Azide (NaN₃).

Stabilisers

Approx. Protein Concentrations IgG concentration 0.5 mg/ml.

Immunogen Recombinant human VCP

External Database Links

UniProt:

[P55072](#) [Related reagents](#)

Entrez Gene:

[7415](#) VCP [Related reagents](#)

Specificity

Mouse anti Human VCP antibody recognizes the valosin-containing protein (VCP), also known as transitional endoplasmic reticulum ATPase, 15S Mg(2+)-ATPase p97 subunit, TER ATPase, epididymis luminal protein 220, epididymis secretory protein Li 70, transitional endoplasmic reticulum ATPase, and yeast Cdc48p homolog.

Encoded by VCP gene, valosin-containing protein is a member of a family that includes putative ATP-binding proteins involved in vesicle transport and fusion, 26S proteasome function, and assembly of peroxisomes. This protein, as a structural protein, is associated with clathrin, and heat-shock protein Hsc70, to form a complex. It has been implicated in a number of cellular events that are regulated during mitosis, including homotypic membrane fusion, spindle pole body function, and ubiquitin-dependent protein degradation (provided by RefSeq, Jul 2008)

Mouse anti Human VCP antibody detects a band of 89 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti VCP detects a band of approximately 89 kDa in HEK293 cell lysates.

Storage This product is shipped at ambient temperature.
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: <https://www.bio-rad-antibodies.com/SDS/VMA00307>

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 \(MCA928\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M443421:250709'

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