

Datasheet: VMA00300

**BATCH NUMBER 151204**

<b>Description:</b>	MOUSE ANTI USP14
<b>Specificity:</b>	USP14
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<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>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody prepared by affinity chromatography on Protein G from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	Purified His-tagged USP14 protein
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P54578</a> <a href="#">Related reagents</a>

**Entrez Gene:**[9097](#) [USP14](#) [Related reagents](#)**Synonyms**

TGT

**Specificity**

**Mouse anti Human USP14 antibody** recognizes ubiquitin carboxyl-terminal hydrolase 14, also known as deubiquitinating enzyme 14, tRNA-guanine transglycosylase, 60-kD subunit, ubiquitin specific protease 14 (tRNA-guanine transglycosylase), ubiquitin thioesterase 14, ubiquitin thiolesterase 14 and ubiquitin-specific-processing protease 14.

Encoded by the USP14 gene, ubiquitin carboxyl-terminal hydrolase 14 is a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinated proteins. Mice with a mutation that results in reduced expression of the ortholog of this protein are retarded for growth, develop severe tremors by 2 to 3 weeks of age followed by hindlimb paralysis and death by 6 to 10 weeks of age. Alternate transcriptional splice variants, encoding different isoforms, have been characterized (provided by RefSeq, Jul 2008).

Mouse anti Human USP14 antibody detects a band of 60 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting**

Anti USP14 detects a band of approximately 60 kDa in LNCaP 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:  
<https://www.bio-rad-antibodies.com/SDS/VMA00300>  
Antibody (10040)

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)**Worldwide**

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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](http://bio-rad-antibodies.com/datasheets)

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