

## Datasheet: VMA00275

<b>Description:</b>	MOUSE ANTI PROSTATE SPECIFIC ANTIGEN
<b>Specificity:</b>	PROSTATE SPECIFIC ANTIGEN
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OT11A1
<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 purified by affinity chromatography from tissue culture supernatant.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin 50% Glycerol
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 25-261 of human prostate specific

antigen (NP\_001639) produced in *E. coli*

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**External Database****Links****UniProt:**[P07288](#)[Related reagents](#)**Entrez Gene:**[354](#)

KLK3

[Related reagents](#)

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**Synonyms**

APS

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**Specificity**

**Mouse anti Human prostate specific antigen antibody** recognizes the prostate specific antigen (PSA), also known as P-30 antigen, gamma-seminoprotein, kallikrein-3, semenogelase and seminin.

Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. KLK3 gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. A product of the KLK3 gene, PSA is a protease present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of PSA, in the clinical setting, is useful in the diagnosis and monitoring of prostatic carcinoma. Alternate splicing of KLK3 generates several transcript variants encoding different isoforms (provided by RefSeq, Jul 2008).

Mouse anti Human prostate specific antigen antibody detects a band of 29 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti prostate specific antigen detects a band of approximately 29 kDa in LNCaP cell lysates.

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**Storage**

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

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**Guarantee**

12 months from date of despatch.

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information**

Material Safety Datasheet documentation #10048 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00275>  
Antibody (10048)

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**Regulatory**

For research purposes only.

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## Related Products

### Recommended Secondary Antibodies

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

## Recommended Negative Controls

### MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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

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**Printed on 17 Sep 2024**

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