

Datasheet: VMA00275

BATCH NUMBER 171698

Description:	MOUSE ANTI PROSTATE SPECIFIC ANTIGEN
Specificity:	PROSTATE SPECIFIC ANTIGEN
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OT11A1
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
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography from tissue culture supernatant.
Buffer Solution	Phosphate buffered saline.
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin 25% Glycerol
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.

Immunogen Recombinant protein corresponding to amino acids 25-261 of human prostate specific antigen (NP_001639) produced in *E. coli*

External Database Links

UniProt:

[P07288](#) [Related reagents](#)

Entrez Gene:

[354](#) KLK3 [Related reagents](#)

Synonyms APS

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.

Western Blotting Anti prostate specific antigen detects a band of approximately 29 kDa in LNCaP 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 #10048 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00275>

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
'M445161:250828'

Printed on 28 Aug 2025

© 2025 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)