Datasheet: VMA00275

Description:	MOUSE ANTI PROSTATE SPECIFIC ANTIGEN
Specificity:	PROSTATE SPECIFIC ANTIGEN
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OTI1A1
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

PrecisionAb antibodies have been extensively validated for the western blot application. The antibody has been validated at the suggested dilution. 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 dependant 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 Stabilisers

0.09% Sodium Azide (NaN_3)
1% Bovine Serum Albumin
50% Glycerol

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
Instructions For Use	Please refer to the PrecisionAb western blotting protocol. For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf
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)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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