

Datasheet: MCA2561

Description:	MOUSE ANTI HUMAN PROSTATE SPECIFIC ANTIGEN
Specificity:	PROSTATE SPECIFIC ANTIGEN
Other names:	KALLIKREIN 3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	58.10D6
Isotype:	IgG1
Quantity:	0.2 mg

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Purified prostate specific antigen.
External Database Links	<p>UniProt: P07288 Related reagents</p> <p>Entrez Gene: 354 KLK3 Related reagents</p>
Synonyms	APS
RRID	AB_808713
Specificity	<p>Mouse anti Human prostate specific antigen antibody, clone 58.10D6 recognizes prostate specific antigen (PSA), also known as Gamma-seminoprotein, Seminolisin, Kallikrein-3, P-30 antigen or Semenogelase. PSA is a 227 amino acid ~34 kDa secreted glycoprotein and member of the Kallikrein subfamily in seminal plasma. PSA hydrolyses the seminal vesicle protein, semenogelin-1, which causes the liquefaction of the seminal coagulum. Tumour cell migration is promoted by PSA, furthering the progression of prostate cancer. Latent TGFbeta2 is activated in a process involving PSA, which may contribute to the formation of osteoblastic lesions in bone metastatic prostate cancer. Serum levels of PSA are important in the diagnosis and monitoring of prostatic carcinoma. In addition, levels of PSA in nipple aspirate fluid maybe useful in breast cancer detection.</p>
References	<ol style="list-style-type: none"> 1. Uludag, Y, <i>et al.</i> (2010) Development of a sensitive detection method of cancerbiomarkers in human serum (75%) using a quartz crystal microbalance sensor and nanoparticles amplification system. Talanta. 82: 277-82. 2. Arya, S.K. and Bhansali, S. (2012) Anti-Prostate Specific Antigen (Anti-PSA) Modified Interdigitated Microelectrode-Based Impedimetric Biosensor for PSA Detection Biosensors Journal 1: H110601
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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'M321288:180726'

Printed on 08 Feb 2021

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