

Datasheet: MCA6349

**BATCH NUMBER 157611**

<b>Description:</b>	RABBIT ANTI PROSTATE SPECIFIC ANTIGEN
<b>Specificity:</b>	PROSTATE SPECIFIC ANTIGEN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM323
<b>Isotype:</b>	IgG
<b>Quantity:</b>	0.1 ml

## 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
Immunohistology - Paraffin	▪			1/500 - 1/1000
ELISA	▪			1/1000 - 1/5000
Western Blotting (1)	▪			1/1000 - 1/2500

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 product for use in their own system using appropriate negative/positive controls.

(1)Use non-reduced conditions

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from animal origin-free culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Native prostate specific antigen protein purified from human seminal fluid

**External Database  
Links**

**UniProt:**

[P07288](#)

[Related reagents](#)

**Entrez Gene:**

[354](#)

KLK3

[Related reagents](#)

**Synonyms**

APS

**Specificity**

**Rabbit anti prostate specific antigen antibody** recognizes prostate-specific antigen, also known as PSA, seminin, and KLK3.

Prostate specific antigen is a serine protease that functions in liquefaction of seminal fluid and remains localized to the prostate, with less than 1% released to circulation ([Cetinkaya et al. 2010](#)). Prostate specific antigen is produced by normal and cancerous prostate cells, and is not produced in significant quantities in any other tissue in men. Prostate specific antigen can be a diagnostic indicator for prostate cancer, and can be used to detect recurrence after local therapies and to follow response to systemic therapies for metastatic disease ([LeBeau et al. 2010](#)). Accordingly, prostate specific antigen testing has increased the number of men diagnosed with and treated for prostate cancer. However, the value of systematic screening with regard to mortality is uncertain ([Tikkinen et al. 2018](#)).

**Storage**

Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

12 months from date of despatch

**Health And Safety  
Information**

Material Safety Datasheet documentation #10048 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6349>  
10048

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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