

Datasheet: MCA6349

BATCH NUMBER 157611

Description:	RABBIT ANTI PROSTATE SPECIFIC ANTIGEN
Specificity:	PROSTATE SPECIFIC ANTIGEN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM323
Isotype:	IgG
Quantity:	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.

	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

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from animal origin-free culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	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, seminolisin, 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:
10048: <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

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](#)

**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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