

**Mouse Anti-Human Prostate-Specific Antigen,
(PSA) monoclonal**

CatNo **K040**

BatchNo: See Label
Expiration Date: See Label
Storage: 2-8°C for 1 month
-20°C for longer

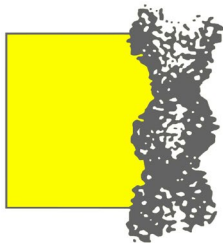
Clone Number:	ER-PR8
Volume/Quantity:	0.5 ml
Product Form:	Purified IgG - liquid
Buffer:	0.01 M Phosphate buffered saline
Preservatives Stabilisers:	0.09% Sodium Azide (NaN ₃) 1% Bovin Serum Albumin (BSA) as carrier protein.
Immunogen:	Purified human PSA
Isotype:	IgG1, kappa (Mouse)
Specificity:	The anti-Prostate Specific Antigen (PSA) monoclonal antibody recognizes a single protein of 33-34kDa, identified as the prostate specific antigen (PSA). It is highly specific for PSA and stains prostatic secretory and ductal epithelium in both normal and neoplastic tissues.

Applications:	Suggested Working Dilution	
FlowCytometry	Not tested	
Immunohistology-frozen	Yes	1/25 – 1/50
Immunohistology-paraffin	Yes	1/25 – 1/50
Immunohistology-resin	Not tested	
ELISA	Not tested	
Immunoprecipitation	Not tested	
Western Blotting	Not tested	
Radioimmunoassay	Not tested	

Where this antibody 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.

K040 230109-1/2





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Immunohistology

Pre-treatment:	Not required.
Positive Control Tissue:	Prostate
Recommended Secondary Reagents:	F(ab') ₂ rabbit anti-mouse IgG HRP conjugate – (LINARIS CatNo LST0013B) Vectastain [®] ABC Mouse IgG (Vector CatNo AK-5002) and Substrate-Kit e.g. Vector [®] Red (Vector CatNo SK-5100). Vectastain [®] ABC-Elite Mouse IgG (Vector CatNo PK-6102) and Peroxidase Substrate-Kit e.g. DAB (LINARIS CatNo E108) or HistoGreen (LINARIS CatNo E109).
Recommended Negative Controls:	Mouse IgG1 Negative Control (LINARIS CatNo ITC0928)

References

1. Nap M, van der Kwast TM. Immunohistochemical characterization of 53 monoclonal antibodies to prostate-specific antigen. *Tumor Biol* 1999 (suppl. 1):20:38-42.
2. Papadopoulos I, Sivridis E, Giatromanolaki A, Koukourakis MI. Tumor angiogenesis is associated with MUC1 overexpression and loss of prostate-specific antigen expression in prostate cancer. *Clin Cancer Res* 2001;7:1533-8.
3. Polascik TJ, Oesterling JE, Partin AW. Prostate specific antigen: a decade of discovery – what we have learned and where we are going [Review Article]. *J Urol* 1999;162:293-306.
4. Stenman U-H, Leinonen J, Zhang W-M, Finne P. Prostate-specific antigen. *Cancer Biol*:1999;9:83-93.
5. Wang TJ, Linton HJ, Sokoloff RL, Grauer LS, Rittenhouse HG, Wolfert RL. Western blotting analysis of antibodies to prostate-specific antigen: specificities for prostate-specific antigen and prostate-specific antigen fragments. *Tumor Biol* 1999;20 (suppl 1):79-85.
6. Stenman U-H, Paus E, Allard WJ, Andersson I, Andrés C, Barnett TR, et al. Summary report of the TD-3 workshop: characterization of 83 antibodies against prostate-specific antigen. *Tumor Biol* 1999;20 (suppl 1): 1-12.
7. Riesenberger R, Oberneder R, Kriegmair M, Epp M, Bitzer U, Hofstetter A, et al. Immunocytochemical double staining of cytokeratin and prostate specific antigen in individual prostatic tumour cells. *Histochemistry* 1993;99:61-6.
8. Alanen KA, Kuopio T, Koskinen PJ, Nevalainen TJ. Immunohistochemical labelling for prostate specific antigen in non-prostatic tissues. *Path Res Pract* 1996;192:233-7.

Storage Conditions:	Store at 2-8°C for one month or at -20°C for longer! Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life:	12 months from date of despatch.
Health and Safety Information:	(A full Health and Safety assessment is available upon request) This product contains sodium azide: a POISONOUS and HAZARDOUS SUBSTANCE which should be handled by trained staff only.

K040 230109-2/2

For Research purposes only. Not for therapeutic or diagnostic use.

