



## HISTOPRIME<sup>®</sup>

**CatNo E040**

## PSA

Lot: See Label  
Storage: +2 to +8 °C  
Exp. Date: See Label

## Monoclonal Antibody against Prostate specific antigen

### Specificity

Prostate specific antigen is a glycoprotein with a molecular weight of 33,000-34,000 daltons. PSA is present exclusively in prostate gland tissue and seminal fluid and is thus distinct from prostate specific acid phosphatase (PAP). It is detectable in normal, benign, hyperplastic as well as in cancerous prostate gland epithelium.

### Contents

Reagents sufficient for about 50-100 tissue sections  
1 dropper bottle **HISTOPRIME<sup>®</sup> PSA** (Bottle, 5 ml)

### Application

The monoclonal antibody against PSA reacts with secretory and ductal epithelium of the prostate in normal and neoplastic tissue. In a clinical study, 95% of prostate carcinomas were detected as positive with the antibody clone (usually the antibody does not react with bladder, stomach, colon, kidney, pancreas and lung or carcinomas of the corresponding tissues).

### Fusion Partners

The monoclonal antibody was obtained from culture supernatant.

E040-230109-1/2



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### Characterization

<b>Antigen</b>	Human prostate specific antigen
<b>Specificity</b>	Secretory and ductal epithelium in normal and neoplastic prostate tissue.
<b>Clone</b>	ER-PR8
<b>Isotype</b>	Mouse IgG1
<b>Pretreatment</b>	Pretreatment with proteolytic enzymes is not required.
<b>Incubation Period</b>	1 hour by room temperature
<b>Control Tissue</b>	Prostate
<b>Application</b>	Ready-to-use in PBS, BSA, NaN <sub>3</sub> (0.09%) pH 7.4(*) suitable on cryostat sections and on formalin-fixed, paraffin-embedded tissue sections.
<b>Recommended Secondary Reagents</b>	<b>Alkaline Phosphatase</b> Vectastain <sup>®</sup> ABC Mouse IgG (Vector CatNo AK-5002) and Substrate-Kit e.g. Vector <sup>®</sup> Red (Vector CatNo SK-5100). <b>Peroxidase</b> Vectastain <sup>®</sup> ABC-Elite Mouse IgG (Vector CatNo PK-6102) and Peroxidase Substrate-Kit e.g. DAB (LINARIS CatNo E108) or HistoGreen (LINARIS CatNo E109).

### References

1. Gallee M.P.W., van Vroonhoven C.CCCC.J., van der Korput H.A.G.M., et al. (1986) Characterization of monoclonal antibodies raised against the prostatic cancer cell line PC-82. Prostate ; 33-45.
2. Nowels K., Kent E., Risho K., and Oyasu R. Prostate specific antigen and acid phosphatase-reactive cells in cystitis and glandularis. Arch. Pathol. Lab. Med. 112; 734-737.

**Differential identification is aided by the results from a panel of antibodies. Interpretation must be made within the context of the patient's clinical history and other diagnostics tests by a qualified pathologist.**

**(\*)Note**                      **E040 contains Sodium Azide; take adequate precautions!**

E040-230109-2/2

**For Research use only. Not for use in diagnostic procedure**

