

# PSA (ZM36)

## Mouse Monoclonal Antibody

**Specificity:** Humans

**Immunogen:** Recombinant full-length human KLK3 protein

**Ig Class:** IgG1 /k

**Storage:** Store at 2-8°C for up to 2 years for concentrate form and 1 year for predilute form.

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200. *Positive Control:* Prostate. *Localization:* Cytoplasmic. *Intended Use:* Research Use Only (RUO).

**Description:** Recognizes a single protein of 33-34kDa, identified as the prostate specific antigen (PSA). This MAb is highly specific to PSA and stains prostatic secretory and ductal epithelium in both normal and neoplastic tissues. PSA is a chymotrypsin-like serine protease (kallikrein family) exclusively produced by the prostate epithelium, and abundant in seminal fluid. PSA can be detected in the sera of patients with prostatic carcinoma. It is predominantly complexed to a liver-derived serine protease inhibitor, alpha-1-antichymotrypsin (ACT). A higher proportion of serum PSA is complexed to ACT in prostate cancer than in benign prostate hyperplasia. This MAb makes an excellent pair with MAb A67-B/E3 for PSA tests.

**Intended Use:** This antibody is intended for research use only (RUO). PSA (ZM36) mouse monoclonal primary antibody is intended for laboratory use in the detection of PSA in formalin-fixed, paraffin-embedded tissue by immunohistochemical (IHC) staining. The staining results should be interpreted by qualified pathologists in conjunction with the patient's relevant clinical history.

**Supplied As:** Purified antibody in Tris-HCl buffer containing stabilizing protein and <0.1% sodium azide.

### References:

1. Polascik TJ, et al. J Urol. 1999; 162:293.
2. Alanen KA, et al. Path Res Pract. 1996; 192:233-237.
3. Varma M, et al. Histopathology. 2005; 47:1-16.

**REF** Z2342ML-R/ Z2342MS-R/ Z2342MT-R/ Z2342MP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)