

Novocastra™ Ready-to-Use Mouse Monoclonal Antibody Prostate Specific Antigen

Product Code: RTU-PSA-28A4

Intended Use	FOR RESEARCH USE ONLY.
Specificity	Human prostate specific antigen.
Clone	PSA 28/A4
Ig Class	IgG1, kappa
Antigen Used for Immunizations	Seminal fluid preparation.
Hybridoma Partner	Mouse myeloma (PYS).
Preparation	Purified mouse ascites diluted in 5% horse serum in PBS containing 12 mM sodium azide. Volume as indicated on vial label.
Effective on Frozen Tissue	Yes
Effective on Paraffin Wax Embedded Tissue	Yes
Recommendations on Use	Immunohistochemistry: Typical working dilution: neat. 15 minutes primary antibody incubation at 25 °C when used in conjunction with the Novostain Universal Detection Kit (Ready to Use), code NCL-RTU-D. Recommendations on use will differ if other detection systems are used eg Standard ABC technique. Western Blotting: Not recommended. Not recommended for use on Ventana automated staining systems (Ventana Medical Systems Inc., USA).
Positive Controls	Immunohistochemistry: Prostate
Staining Pattern	Cytoplasmic
Storage and Stability	Store ready-to-use prediluted liquid antibody at 4 °C. Return to 4 °C immediately after use. Under these conditions, there is no significant loss in product performance up to the expiry date indicated on the vial label.
General Overview	Prostate specific antigen (PSA) is a 34 kD protein belonging to the kallikrein family of serine proteases and was originally isolated and purified from human seminal plasma. It was found to be immunologically identical and biologically similar to a protein isolated from the prostate gland. PSA is distinct from prostatic acid phosphatase.
General References	Harper C L, Lofts F J, Otter M, et al.. British Journal of Hospital Medicine. 55 (6): 367–368 (1996). Jurinic-Winkler C, von der Kammer H, Horlbeck R, et al.. European Urology. 24: 487–491 (1993). Oesterling J E. The Journal of Urology. 145: 907–923 (1991). von der Kammer H, Krauhs E, Aumüller G, et al.. Clinica Chimica Acta. 187: 207–220 (1990).

