



Category: Monoclonal Antibodies **Cat. #** V7091 **Product Name:** Prostate Specific Antigen (PSA)

Description:
Monoclonal Mouse Anti-Human Prostate Specific Antigen (PSA). This antibody reacts with human prostate specific antigen which has a molecular weight of 33kD. This antibody labels prostatic secretory and ductal epithelium in both normal and neoplastic prostate tissue.

Immunogen:
p30 enriched human sperm plasma preparation.

Cellular Localization:
Cytoplasmic

Application:
Immunohistochemistry 1:50-1:100. ELISA 1:1000-1:3000. Western Blot 1:100-1:300.

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Prostate Tissue (normal or cancerous)

Presentation:
20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

Aliquoting Instructions:
Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

Staining Procedure:
This antibody can be used on frozen and formalin-fixed paraffin-embedded tissues. When using formalin-fixed paraffin-embedded tissues a high temperature antigen demasking procedure is required (10mM citrate, pH 6.0, boiling tissue for 10-20 mins followed by cooling at RT for 10-20 mins.). The optimal conditions should be determined by the individual laboratory.

Storage:
Store at 2~8o C for short term, freeze under -20oC for long term storage

Size: 0.2mg
Clone: Z104 (100-A15)
Isotype: IgG1
Host: Mouse
Form: Purified
Mol. Wt. of Antigen: 33 kD
Concentration: 0.5 mg/ml
Units On Hand: YES

References:
1. Gallee, M.P.W. etal, Prostate 9:33-45, 1986.

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Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com