

**Mouse Anti-PSA (Prostate Specific Antigen) [A67-B/E3]: MC0925, MC0925RTU7**

**Intended Use:** For Research Use Only

**Description:** Prostate-specific antigen (PSA) is a serine protease member of the human glandular kallikrein family. It is synthesized in the prostate ductal and acinar epithelium and diffused into serum. It is found in normal, hyperplastic, and malignant prostate tissue. Low expression of PSA has been reported in other normal or tumor tissues such as urethral, periurethral, and perianal glands, salivary duct carcinoma, and rare mammary carcinomas. Although low PSA expression has been found in other tissues, PSA is still a specific and sensitive marker for immunohistochemical analysis of tumors with prostate epithelial cell differentiation. It is valuable in the identification of metastatic tumors of prostatic origin.

**Specifications**

Clone: A67-B/E3  
 Source: Mouse  
 Isotype: IgG1k  
 Reactivity: Human  
 Localization: Cytoplasm  
 Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, Flow Cyt., IF  
 Package:

Description	Catalog No.	Size
PSA (Prostate Specific Antigen) Concentrated	MC0925	1 ml
PSA (Prostate Specific Antigen) Prediluted	MC0925RTU7	7 ml

**IHC Procedure\***

Positive Control Tissue: Prostate, prostate cancer  
 Concentrated Dilution: 100-300  
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human prostate carcinoma stained with anti-PSA using DAB

**References:**

1. Naturally Occurring Variants in LRP1 (Low-Density Lipoprotein Receptor-Related Protein 1) Affect HDL (High-Density Lipoprotein) Metabolism Through ABCA1 (ATP-Binding Cassette A1) and SR-B1 (Scavenger Receptor Class B Type 1) in Humans. Oldoni F, et al. Arterioscler Thromb Vasc Biol 38:1440-1453, 2018.
2. Prostate-specific antigen immunosensing based on mixed self-assembled monolayers, camel antibodies and colloidal gold enhanced sandwich assays. Huang, et al. Biosensors and Bioelectronics. 21/3; 483-490, 2005.

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Rev. A