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anti-Prostate Specific Antigen antibody (Biotin)





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Target:

Overview	
Quantity:	0.1 mg
Target:	Prostate Specific Antigen (PSA)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Prostate Specific Antigen antibody is conjugated to Biotin
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	30 kDa protein fraction prepared from human seminal plasma
Clone:	A67-B-E3
Isotype:	lgG1
Specificity:	The mouse monoclonal antibody A67-B/E3 reacts with prostate-specific antigen (PSA), a protein produced by normal prostate cells. The highest amounts of PSA are found in the seminal fluid. This antibody recognizes both free and complexed PSA.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.
Target Details	

Prostate Specific Antigen (PSA)

Target Details

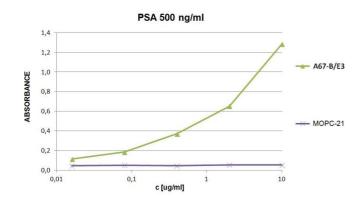
Alternative Name:	Prostate-specific antigen (PSA) (PSA Products)
Background:	Kallikrein related peptidase 3,Prostate-specific antigen (PSA) is a protein produced by normal prostate cells. This enzyme participates in the dissolution of the seminal fluid coagulum and plays an important role in fertility. The highest amounts of PSA are found in the seminal fluid, some PSA escapes the prostate and can be found in the serum. This serum component has been used to track the response to therapy in men with prostate cancer.,Prostate-specific antigen, Kallikrein-3, Semenogelase, Seminin
Gene ID:	354
UniProt:	P07288
Pathways:	Complement System

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Restrictions:	For Research Use only

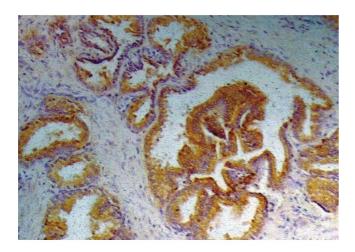
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze. Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



ELISA

Image 1. ELISA detection of PSA with anti-human PSA (A67-B/E3) biotin.



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin sections (prostate) Immunohistochemistry staining of prostate (paraffin-embedded sections) with anti-human Prostate-specific antigen (A67-B/E3).