

Anti-free PSA Antibody (1B4A5)
Mouse Monoclonal Antibody
Catalog # ABV12083**Specification**

Anti-free PSA Antibody (1B4A5) - Product Information

Application	E
Primary Accession	P07288
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1, κ

Anti-free PSA Antibody (1B4A5) - Additional Information**Gene ID** 354

Positive Control	ELISA
Application & Usage	ELISA Capture: 1-10 $\mu\text{g/ml}$, ELISA Detection: 0.05-0.2 $\mu\text{g/ml}$

Other Names

Gamma-seminoprotein, Semin, Kallikrein-3, P-30 antigen, Semenogelase, APS

Target/Specificity

Prostate-specific antigen

Antibody Form

Liquid

Appearance

Colorless liquid

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Anti-free PSA Antibody (1B4A5) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-free PSA Antibody (1B4A5) - Protein Information**Name** KLK3**Synonyms** APS

Function

Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum.

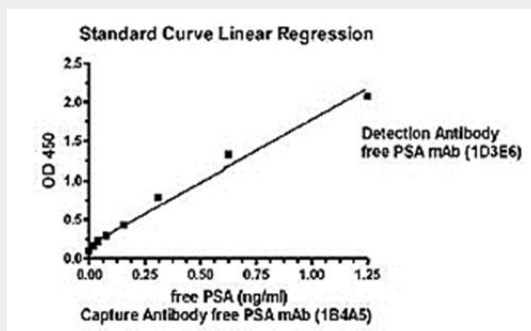
Cellular Location

Secreted.

Anti-free PSA Antibody (1B4A5) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-free PSA Antibody (1B4A5) - Images

Antibody pairs analysis of free PSA monoclonal antibodies by Sandwich ELISA

Anti-free PSA Antibody (1B4A5) - Background

Prostate-specific antigen (PSA) is produced by cells of the prostate gland. The PSA level increases in the blood of men who have prostate cancer, benign prostatic hyperplasia, or infection or inflammation of the prostate. It exists in the blood in two forms of free PSA and total PSA (PSA attached to a protein molecule). Free PSA increases more in benign prostatic hypertrophy while total PSA is associated with cancer. When Prostate cancer occurs, PSA often ranges from 2.5 to 10 ng/ml. The free PSA and total PSA are tested simultaneously to identify what kind of prostate problem a man has.

Free PSA Antibody is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from mouse immunized with free PSA protein purified from human seminal fluid