

Anti-PSA Antibody (5B10D4)

Mouse Monoclonal Antibody

Catalog # ABV12076

Product Information

Application	E
Primary Accession	P07288
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1, κ
Clone Names	5B10D4
Calculated MW	28741

Additional Information

Gene ID	354
Positive Control	ELISA
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-PSA Antibody (5B10D4) is for research use only and not for use in diagnostic or therapeutic procedures.

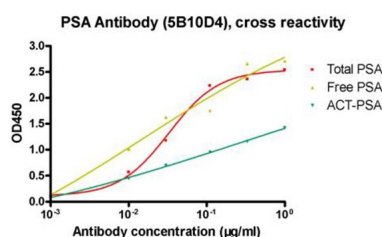
Protein Information

Name	KLK3
Synonyms	APS
Function	Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum.
Cellular Location	Secreted.

Background

Prostate-specific antigen (PSA) is also known as kallikrein III, seminin, semenogelase, γ -seminoprotein and P-30 antigen. It is a serine protease enzyme produced by the cells of the prostate gland. Most of PSA in the blood which is bound to serum proteins is known as total PSA, while a small amount which is not protein bound to is called free PSA. PSA liquifies the semen in the seminal coagulum and allows sperm to swim freely. PSA is often elevated in the presence of prostate cancer and in other prostate disorders. A blood test to measure PSA is considered to be the most effective test currently available for the early detection of prostate cancer. Furthermore, rising levels of PSA over time are associated with both localized and metastatic prostate cancer (CaP). Human PSA monoclonal antibody, is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from mouse immunized with human total PSA purified from seminal plasma.

Images



Cross-reactivity of PSA antibody (5B10D4) by Indirect ELISA

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.