

Immunotag™ Prostate-Specific Antigen(PSA) (ABT-PSA) mouse mAb

Antibody Specification	
Catalog No.	ITM6091
Product Description	Immunotag™ Prostate-Specific Antigen(PSA) (ABT-PSA) mouse mAb
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PSA (AS1A32)
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	IHC-p
Recommended Dilution	IHC-p 1:100-500
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
Immunogen	Synthesized peptide derived from human Prostate-Specific Antigen(PSA)
Specificity	This antibody detects endogenous levels of human Prostate-Specific Antigen(PSA)
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	KLK3 APS
Accession No.	P07288
Alternate Names	Prostate-specific antigen (PSA) (EC 3.4.21.77) (Gamma-seminoprotein) (Seminin) (Kallikrein-3) (P-30 antigen) (Semenogelase)

## Antibody Specification

Description	kallikrein related peptidase 3(KLK3) Homo sapiens Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its protein product is a protease present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of this protein, called PSA in the clinical setting, is useful in the diagnosis and monitoring of prostatic carcinoma. Alternate splicing of this gene generates several transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],
Cell Pathway/ Category	Pathways in cancer,Prostate cancer,
Protein Expression	Leukocyte,PNS,Prostate,
Subcellular Localization	Cytoplasmic
Protein Function	catalytic activity:Preferential cleavage: -Tyr- -Xaa-.,function:Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum.,online information:Prostate-specific antigen entry,similarity:Belongs to the peptidase S1 family.,similarity:Belongs to the peptidase S1 family. Kallikrein subfamily.,similarity:Contains 1 peptidase S1 domain.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.