

## Prostate-Specific Antigen (PSA) Conjugated Antibody

Catalog No: #C48511



Package Size: #C48511-AF350 100ul #C48511-AF405 100ul #C48511-AF488 100ul  
 #C48511-AF555 100ul #C48511-AF594 100ul #C48511-AF647 100ul  
 #C48511-AF680 100ul #C48511-AF750 100ul #C48511-Biotin 100ul

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## Description

Product Name	Prostate-Specific Antigen (PSA) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Immunogen Description	Peptide
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	antigen, prostate-specific antibody APS antibody Gamma seminoprotein antibody Gamma-seminoprotein antibody hK3 antibody Kallikrein 3 antibody Kallikrein related peptidase 3 antibody Kallikrein-3 antibody KLK 3 antibody KLK2A1 antibody Klk3 antibody KLK3_HUMAN antibody P-30 antigen antibody P30 antigen antibody Prostate-specific antigen antibody Psa antibody Semenogelase antibody Seminolysin antibody
Accession No.	Swiss-Prot#:P07288
Uniprot	P07288
GeneID	354;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	26 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Background

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Prostate specific antigen (PSA), also designated  $\gamma$ -seminoprotein, seminin, p30 antigen, semenogelase, and kallikrein 3 (KLK3), was first identified as a glycoprotein in human seminal plasma. PSA was determined by sequence similarity to be a member of the kallikrein subfamily of trypsin proteases. PSA is a serine protease that hydrolyzes the major human seminal protein, the seminal plasma mobility inhibitor precursor, or semenogelin I (SPMIP or Sgl), which leads to semen liquification. PSA production and expression are highest in normal, benign hyperplastic and cancerous tissues of the prostate, PSA has also been detected in accessory male sex glands and in breast cancer. PSA has been identified as an aid in the early detection of prostate cancer and is a commonly used tumor marker.

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Note: This product is for in vitro research use only