



# Anti-PSA monoclonal antibody, clone B008 (DMABT-H4166MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse Anti-KLK3 Monoclonal Antibody
<b>Antigen Description</b>	Prostate-specific antigen (PSA), also known as gamma-seminoprotein or kallikrein-3 (KLK3), is a glycoprotein encoded in humans by the KLK3 gene. PSA is a member of the kallikrein-related peptidase family and is secreted by the epithelial cells of the prostate gland. PSA is produced for the ejaculate, where it liquefies semen in the seminal coagulum and allows sperm to swim freely. It is also believed to be instrumental in dissolving cervical mucus, allowing the entry of sperm into the uterus.
<b>Specificity</b>	Human Prostate-specific antigen. No cross reactivity with Human Albumin, AFP, CEA, PAP, CA-125, CA 19-9 or CA 15-3.
<b>Target</b>	KLK3
<b>Immunogen</b>	Human Total PSA
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	B008
<b>Purification</b>	DEAE column chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IA
<b>Format</b>	Purified, Liquid

<b>Size</b>	1 mg
<b>Buffer</b>	0.015M Potassium phosphate buffer, pH 7.4 containing 0.85% Sodium chloride
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Store at 2-8 °C. DO NOT FREEZE. Precipitation may occur upon freezing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">KLK3 kallikrein-related peptidase 3 [ Homo sapiens ]</a>
<b>Official Symbol</b>	KLK3
<b>Synonyms</b>	KLK3; kallikrein-related peptidase 3; APS, kallikrein 3, (prostate specific antigen); prostate-specific antigen; PSA; seminin; P-30 antigen; kallikrein-3; semenogelase; gamma-seminoprotein; prostate specific antigen; APS; hK3; KLK2A1;
<b>Entrez Gene ID</b>	<a href="#">354</a>
<b>Protein Refseq</b>	<a href="#">NP_001025218</a>
<b>UniProt ID</b>	<a href="#">P07288</a>
<b>Chromosome Location</b>	19q13.41
<b>Pathway</b>	Coregulation of Androgen receptor activity, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; Pathways in cancer, organism-specific biosystem; Prostate cancer, organism-specific biosystem; Prostate cancer, conserved biosystem;
<b>Function</b>	peptidase activity; protein binding; serine-type endopeptidase activity; serine-type peptidase activity;