



Anti-PSA monoclonal antibody, clone B093 (DMABT-H4157MH)

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

PRODUCT INFORMATION

Product Overview	Mouse Anti-KLK3 Monoclonal Antibody
Antigen Description	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.
Specificity	Human Prostate-specific antigen. No cross reactivity with Human Albumin, AFP, CEA, PAP, CA-125, CA 19-9 or CA 15-3.
Target	KLK3
Immunogen	Human PSA
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	B093
Purification	DEAE chromatography
Conjugate	Unconjugated
Applications	IA
Format	Purified, Liquid

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

GENE INFORMATION

Gene Name	KLK3 kallikrein-related peptidase 3 [Homo sapiens]
Official Symbol	KLK3
Synonyms	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;
Entrez Gene ID	354
Protein Refseq	NP_001025218
UniProt ID	P07288
Chromosome Location	19q13.41
Pathway	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;
Function	peptidase activity; protein binding; serine-type endopeptidase activity; serine-type peptidase activity;