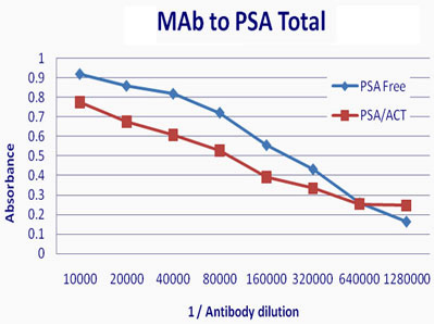
PSA (Total) monoclonal antibody, clone B727M

Catalog # MAB6729 Size 1 mg

Applications



Enzyme-linked Immunoabsorbent Assay

Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application.

Specification

Product Description	Mouse monoclonal antibody raised against PSA (total).
Immunogen	Purified free PSA and PSA complexed with ACT.
Host	Mouse
Reactivity	Human
Specificity	Reacts with total PSA (free PSA and PSA complexed with ACT).
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at-20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Applications

- Enzyme-linked Immunoabsorbent Assay

  Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application.

Gene Info — KLK3

Entrez GeneID	354
Gene Name	KLK3
Gene Alias	APS, KLK2A1, PSA, hK3
Gene Description	kallikrein-related peptidase 3
Omim ID	176820
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	P-30 antigen|gamma-seminoprotein|kallikrein 3, (prostate specific antigen)|prostate specific antigen|semenogelase|seminin

Publication Reference

- Robust Detection of Cancer Markers in Human Serums Using All-Dielectric Metasurface Biosensors.

  Masanobu Iwanaga.

  Biosensors 2023 Mar; 13(3):377.

  Application: IF, Quant, Human, Human serum

Pathway

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- Pathways in cancer
- Prostate cancer

Disease

- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Lymphatic Metastasis
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms

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