

Product datasheet for **AM05051PU-N**

Prostate Specific Antigen (KLK3) (free) Mouse Monoclonal Antibody [Clone ID: 981]

Product data:

Product Type:	Primary Antibodies
Clone Name:	981
Applications:	ELISA
Recommended Dilution:	Suitable as a Capture antibody. Pairs with MAb to Total PSA Catalog No AM05052PU-Nin a Sandwich immunoassay for free PSA.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human PSA
Specificity:	This antibody recognizes Prostate Specific Antigen. No cross reactivity with Human Albumin, AFP, CEA, PAP, CA-125, CA 19-9 or CA 15-3.
Formulation:	0.015M Potassium phosphate, pH 7.4 containing 0.85% Sodium Chloride State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	DEAE Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	kallikrein related peptidase 3
Database Link:	Entrez Gene 354 Human P07288



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Background:

PSA is a tumor-associated antigen with a molecular weight of 34 kDa. The antigen is found in normal prostatic epithelial lining cells of the ducts and acini, as well as in primary and metastatic prostate carcinoma cells. PSA reactivity may also be found in BPH (benign prostatic hypertrophy), though the pattern of staining is different than that found in carcinoma tissues. The staining pattern ranges from cytoplasmic and secretory in normal and benign prostate to cytoplasmic with membrane in neoplastic prostate.

Synonyms:

Prostate-specific antigen, Semenogelase, Gamma-seminoprotein, P-30 antigen