

Product datasheet for **AM05050PU-N**

Prostate Specific Antigen (KLK3) Mouse Monoclonal Antibody [Clone ID: TD11B3-4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	TD11B3-4
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Prostate specific antigen (PSA) prepared from Human seminal fluid
Specificity:	This antibody recognizes Prostate Specific Antigen (PSA).
Formulation:	10mM Phosphate, pH 7.4 containing 150mM Sodium Chloride State: Purified State: Liquid purified IgG fraction (>90% pure by SDS-PAGE) Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
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