

AM05051PU-N**Monoclonal Antibody to Kallikrein-3 / PSA / KLK3 (free) - Purified**

Alternate names:	Gamma-seminoprotein, P-30 antigen, Prostate-specific antigen, Semenogelase
Quantity:	1 mg
Concentration:	6.41 mg/ml (OD280nm)
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.
Uniprot ID:	P07288
NCBI:	NP_001025218.1
GeneID:	354
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	981
Immunogen:	Human PSA
Format:	State: Liquid purified IgG fraction Purification: DEAE Chromatography Buffer System: 0.015M Potassium phosphate, pH 7.4 containing 0.85% Sodium Chloride Preservatives: 0.09% Sodium Azide
Applications:	Suitable as a Capture antibody. Pairs with MAb to Total PSA Catalog No AM05052PU-N in a Sandwich immunoassay for free PSA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
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. Species: Human. Other species not tested. Affinity Constant: 2×10^{10} L/m
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.