



# Prostate Specific Antigen (PSA, Kallikrein-3, Kallikrein III, Semin, Semenogelase, $\gamma$ -Seminoprotein, P-30 antigen)

## Catalog number

P9054-50A

## Supplier

United States Biological

Prostate Specific Antigen (PSA, Kallikrein-3, Kallikrein III, Semin, Semenogelase,  $\gamma$ -Seminoprotein, P-30 antigen) is a chymotrypsin-like serine protease (kallikrein family) produced by the prostate epithelium, and abundant in seminal fluid. PSA can be detected in the sera of patients with prostatic carcinoma. It is predominantly complexed to a liver-derived serine protease inhibitor, alpha-1-antichymotrypsin (ACT). A higher proportion of serum PSA is complexed to ACT in prostate cancer than in benign prostate hyperplasia. Anti-PSA is useful in the positive identification of metastatic deposits of prostatic origin.

## Applications

Suitable for use in ELISA. Other applications not tested.

## Recommended Dilution

Optimal dilutions to be determined by the researcher.

## Storage and Stability

May be stored at 4°C. For long-term storage, aliquot and store at 4°C. Do not freeze. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.

## Formulation

Supplied as a liquid in 0.015M PBS, pH 7.4, 0.09% sodium azide.

## Purity

Purified by DEAE chromatography.

## Specificity

Recognizes PSA. No cross-reactivity with Human Albumin, AFP, CEA, PAP, CA 125, CA 15-3, or CA 19-9.

## Product Type

Mab

## Source

human

## Isotype

IgG



**Grade**

Highly Purified

**Applications**

E

**Crossreactivity**

Hu

**Storage**

4°C Do Not Freeze