

Anti PSA (53-92) (Human) Serum

Cat. No. Y480

Lot No. 756220222

Description: This antiserum was raised in a rabbit by immunization with synthetic PSA (prostate specific antigen)(53-92)(human) peptide. The product vial contains 50 µL of the titled antiserum obtained by lyophilizing its 0.001 M phosphate buffer (pH 7.0, 0.5 mL) solution. It can be used for immunoassay, immunohistochemistry, immunoblot or any other immunoreaction with PSA (human).

Immunogen: Synthetic PSA(53-92) (Human), carrier free**Host:** Rabbit**Amino Acid Sequence of PSA (53-92) (human)^{1,2,3} :**

RHSLFHPEDTGQVFQVSH SFPHPLYDMS LLKNRFLRPG DD

Product Form: Lyophilized unpurified serum

Size: 50 µL

Reconstitution: Reconstitute the product with 0.5 mL of 0.01M PBS (pH 7.0) to make a 10 fold diluted stock solution. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN₃ 0.1%).


Storage: The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon reconstitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Repeated freezing- thawing should be avoided.

Suggested Working Dilution Range: 1:5,000 for enzyme immunoassay (EIA), 1:1000-4,000 for immunohistochemistry (paraffin section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on EIA): PSA (53-92)(human) 100%, PSA (42-92)(human) 100%, PSA (human) 100%**Positive Control (Immunohistochemistry):** Prostate (Human)**Species Tested (Immunohistochemistry):** Human**REFERENCE:**

1. Wang, M. C, Valenzuela, L. A., Murphy, G. P., and Chu, T. M. (1979) Purification of a human prostate specific antigen. *Invest. Urol*, **17**: 159-163.
2. Watt, K. W., Lee, P. J., M'Timkulu. T., Chan, W. P., and Loor, R. (1986) Human prostate specific antigen: structural and functional similarity with serine proteases. *Proc. Nati. Acad. Sci. USA*, **83**: 3166-3170.
3. Aoki M., Nagasawa S., Katoh I., Yanaihara N., Iwanaga T., and Fujita K. (2002) Development of Region-Specific Antisera and Immunoassay for Human Prostate-Specific Antigen (PSA) with Use of Purposely Designed Synthetic Peptides. *Biomedical research*, **23**: 221-229

FOR RESEARCH LABORATORY USE ONLY
DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM



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