



Anti PSA (53-92)(Human) Serum

Cat. No. YII-Y480-EX 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 0.001M 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), 1:1,000-4,000 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

REFERENCES:

- 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., MTimkulu. T., Chan, W-P., and Loo, R. (1986) Human prostate specific antigen: structural and functional similarity with serine prostates. *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



COSMO BIO CO., LTD.
Inspiration for Life Science

TOYO EKIMAE BLDG, 2-20, TOYO 2CHOME, KOTO-KU, TOKYO 135-0016, JAPAN
TEL: +81-3-5632-9617 FAX: +81-3-5632-9618 e-mail: export@cosmobio.co.jp

www.cosmobio.co.jp