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. NaN_3 0.1%).

Storage: The product will be stable for over one year if it be stored at –20℃ to –80℃ until opened. Upon reconstitution, the antiserum solution must be stored at 2℃ to 8℃ 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

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DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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SCETI K.K.

3-6-7, Kasumigaseki, Chiyoda-ku, Tokyo 100-0013 Japan

URL: www.sceti.co.jp/export/ e-mail: exp-pet@sceti.co.jp

Tel: +81-3-5510-2347 Fax: +81-3-5510-0133