
Human Prostate-specific antigen (PSA)

Cat. # PSA15-N-100

Purified Human PSA

SIZE: 100 ug

Human Prostate-specific antigen (PSA) is a single chain glycoprotein with Mol. Wt. Of 34 kDa containing 7% carbohydrates. It is uniquely associated with prostate tissue and presents in both normal and cancerous prostatic tissue, prostatic fluid and seminal plasma. PSA is not present in any of the normal tissue obtained from men nor is it produced by cancers of the lung, colon, rectum, stomach, breast, pancreas or thyroid. Elevated serum PSA concentration have been reported in patient with prostate cancer, benign prostatic hypertrophy, or inflammatory tissues, but not in apparently healthy women with cancer. PSA levels correlate with the stage of disease and response to treatment in-patients with prostatic cancer. Therefore sequential measurements of PSA concentration can be an important tool in monitoring patients with prostatic cancer and in determining the potential and effectiveness of surgery of other therapies.

Source of Antigen and Antibodies

Human PSA was purified from human seminal fluids (>98%) using biochemical and immunoaffinity techniques. Purity is tested by RID, SDS-PAGE, and IEP. All human source materials have tested negative for HIV 1, HIV 2, HIV Ag, HBsAg and HCV. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.

PSA is supplied in PBS pH 7.4 at 1 mg/ml in either liquid or lyophilized form. This preparation is not sterile.

Storage and Stability

Store frozen at –20oC or below. Lyophilized material should be reconstituted in water at a desired concn (0.1-1 mg/ml) and stock stored at –20oC or below. Avoid repeated freeze/thaw and store in suitable aliquots.

Stability: 6-12 months at –20oC or below.

Shipping: 4oC for solutions and room temp for powder.

Recommended Usage

Western Blotting: load 10-200 ng/lane for reaction with appropriate antibodies.

ELISA: for coating at 1 ug/ml or as standards.

**This product is for In vitro research use only.*

Related material available from ADI

Human total PSA and free PSA ELISA kits

Purified human PSA and PSA-ACT complex proteins

PSA15-N-100

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