

Rat Free Prostate Specific Antigen ELISA Kit | FPSA elisa kit

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CATALOG #
AAA87805

REACTIVITY
Rat

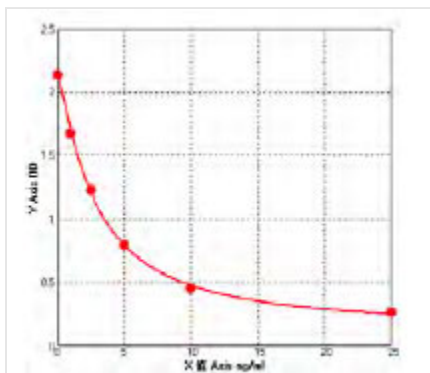
PRODUCT SYNONYMS

Free Prostate Specific Antigen; Rat Free Prostate Specific Antigen ELISA Kit; FPSA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FPSA. No significant cross-reactivity or interference between FPSA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FPSA and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FPSA elisa kit	Intended Uses: This FPSA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat FPSA. This ELISA kit for research use only! Principle of the Assay: FPSA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-FPSA antibody and an FPSA-HRP conjugate. The assay sample and buffer are incubated together with FPSA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the FPSA concentration since FPSA from samples and FPSA-HRP conjugate compete for the anti-FPSA antibody binding site. Since the number of sites is limited, as more sites are occupied by FPSA from the sample, fewer sites are left to bind FPSA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FPSA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for FPSA elisa kit	Neurobiology

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/fpsa-rat-elisa-kits/free-prostate-specific-antigen/87805>