

Human Prostatic binding protein ELISA Kit | PBP elisa kit

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CATALOG #
AAA86827

REACTIVITY
Human

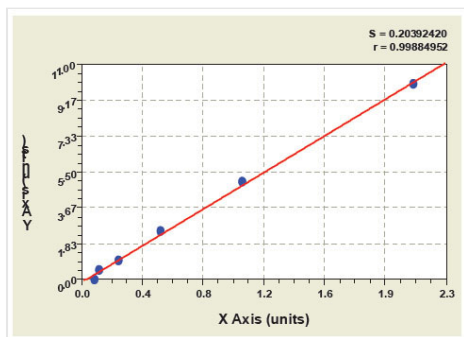
PRODUCT SYNONYMS

Prostatic binding protein; Human Prostatic binding protein ELISA Kit; PBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PBP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PBP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PBP elisa kit

Principle of the Assay: PBP ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PBP. Standards or samples are then added to the microtiter plate wells and PBP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PBP present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for PBP are added to each well to "sandwich" the PBP immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PBP and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PBP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153955350
NCBI GeneID	5393499
NCBI Accession #	YP_001396115.1
NCBI GenBank Nucleotide #	NC_009706.1
Molecular Weight	74,852 Da
NCBI Official Full Name	Pbp
NCBI Official Symbol	pbp
NCBI Protein Information	predicted beta-lactam-inducible penicillin-binding protein; Pbp
UniProt Protein Name	Pbp
UniProt Gene Name	pbp
UniProt Synonym Gene Names	CKL_2732
UniProt Entry Name	A5N0U8_CLOK5

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/pbp-human-elisa-kits/prostatic-binding-protein/86827>