

Canine Prostatic binding protein ELISA Kit | PBP elisa kit

Canine Prostatic binding protein ELISA Kit

CATALOG #
AAA91904

REACTIVITY
Canine

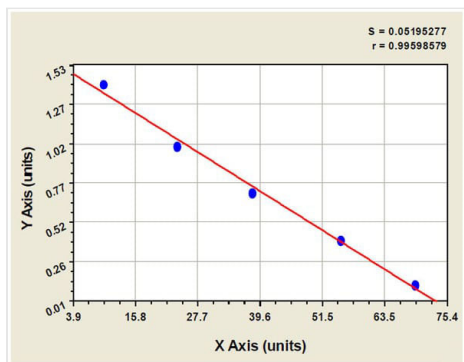
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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 Canine 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 competitive enzyme immunoassay technique utilizing a monoclonal anti-PBP antibody and an PBP-HRP conjugate. The assay sample and buffer are incubated together with PBP-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 PBP concentration since PBP from samples and PBP-HRP conjugate compete for the anti-PBP antibody binding site. Since the number of sites is limited, as more sites are occupied by PBP from the sample, fewer sites are left to bind PBP-HRP conjugate. 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/pbp-canine-elisa-kits/prostatic-binding-protein/91904>