

Rat Prostatic Acid Phosphatase Antibody ELISA Kit | PAP elisa kit

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CATALOG #
AAA82911

REACTIVITY
Rat

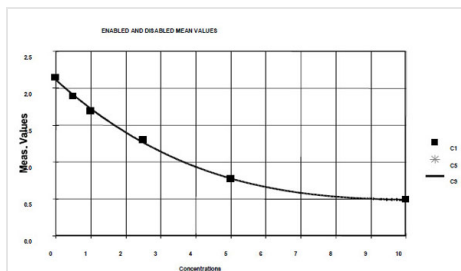
PRODUCT SYNONYMS

Prostatic Acid Phosphatase Antibody; Rat Prostatic Acid Phosphatase Antibody ELISA Kit; PAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAP elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This ANTI-PAP ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of ANTI-PAP in the sample, this ANTI-PAP ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus ANTI-PAP concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of ANTI-PAP utilizes a monoclonal anti-ANTI-PAP antibody and an ANTI-PAP-HRP conjugate. The assay sample and buffer are incubated together with ANTI-PAP-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 ANTI-PAP concentration since ANTI-PAP from samples and ANTI-PAP-HRP conjugate compete for the anti-ANTI-PAP antibody binding site. Since the number of sites is limited, as more sites are occupied by ANTI-PAP from the sample, fewer sites are left to bind ANTI-PAP-HRP conjugate. Standards of known ANTI-PAP concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of ANTI-PAP. The ANTI-PAP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33338850
Molecular Weight	19,219 Da
NCBI Official Full Name	Pap
UniProt Protein Name	Pap
UniProt Gene Name	pap
UniProt Entry Name	Q71T77_BPP1

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/pap-rat-elisa-kits/prostatic-acid-phosphatase-antibody/82911>