

ProlifeRat ing Cell Nuclear Antigen ELISA Kit | PCNA elisa kit

Rat ProlifeRat ing Cell Nuclear Antigen ELISA Kit

CATALOG #
AAA82519

REACTIVITY
Rat

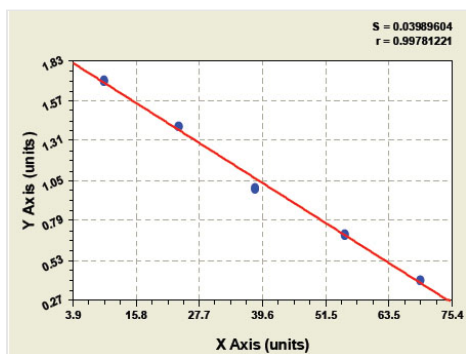
PRODUCT SYNONYMS

ProlifeRat ing Cell Nuclear Antigen; Rat ProlifeRat ing Cell Nuclear Antigen ELISA Kit; PCNA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCNA elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This PCNA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PCNA. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY PCNA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PCNA antibody and an PCNA-HRP conjugate. The assay sample and buffer are incubated together with PCNA-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 PCNA concentration since PCNA from samples and PCNA-HRP conjugate compete for the anti-PCNA antibody binding site. Since the number of sites is limited, as more sites are occupied by PCNA from the sample, fewer sites are left to bind PCNA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PCNA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PCNA elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456555
NCBI GeneID	5111
UniProt Accession #	Q6FHF5; P12004
Molecular Weight	28,706 Da
NCBI Official Full Name	PCNA, partial
NCBI Official Synonym Full Names	proliferating cell nuclear antigen
NCBI Official Symbol	PCNA
NCBI Official Synonym Symbols	ATLD2
NCBI Protein Information	proliferating cell nuclear antigen; cyclin; DNA polymerase delta auxiliary protein
UniProt Protein Name	Proliferating cell nuclear antigen
UniProt Gene Name	PCNA
UniProt Entry Name	Q6FHF5_HUMAN

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://www.aaabiotech.com/pcna-rat-elisa-kits/proliferat-ing-cell-nuclear-antigen/82519>