

Human ProlifeRating Cell Nuclear Antigen ELISA Kit | PCNA elisa kit

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CATALOG #
AAA85612

REACTIVITY
Human

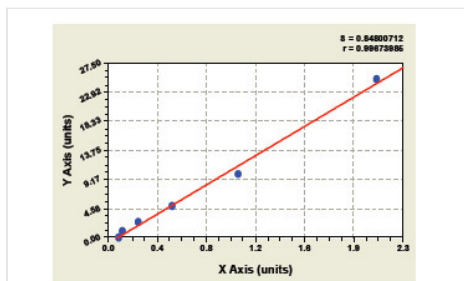
PRODUCT SYNONYMS

ProlifeRating Cell Nuclear Antigen; Human ProlifeRating Cell Nuclear Antigen ELISA Kit; PCNA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PCNA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PCNA. 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 PCNA elisa kit

Principle of the Assay: PCNA ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PCNA. Standards or samples are then added to the microtiter plate wells and PCNA if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PCNA present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for PCNA are added to each well to "sandwich" the PCNA 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 PCNA 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 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://stage.aaabiotech.com/pcna-human-elisa-kits/proliferating-cell-nuclear-antigen/85612>