

Human Proliferating Cell Nuclear Antigen (PCNA) ELISA Kit | PCNA elisa kit

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CATALOG #
AAA331457

REACTIVITY
Human

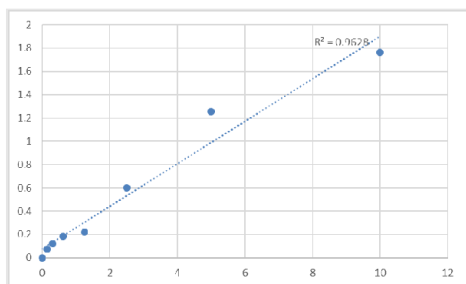
PRODUCT SYNONYMS

Proliferating Cell Nuclear Antigen (PCNA); Human Proliferating Cell Nuclear Antigen (PCNA) ELISA Kit; PCNA; MGC8367; DNA polymerase delta auxiliary protein; cyclin; PCNA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Proliferating cell nuclear antigen (PCNA) ELISA Kit has high sensitivity and excellent specificity for detection of Human PCNA. No significant cross-reactivity or interference between Human PCNA and analogues was observed.
Sequence Length	261
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Proliferating cell nuclear antigen (PCNA) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PCNA elisa kit	Description: This Human Proliferating cell nuclear antigen (PCNA) ELISA Kit employs a two-site sandwich ELISA to quantitate PCNA in samples. An antibody specific for PCNA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PCNA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCNA is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PCNA bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Proliferating Cell Nuclear Antigen a protein that acts as a processivity factor for DNA polymerase delta in eukaryotic cells. It achieves this processivity by encircling the DNA, thus creating a topological link to the genome. It is an example of a DNA clamp. The protein encoded by this gene is found in the nucleus and is a cofactor of DNA polymerase delta. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, this protein is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for this gene. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33239451
NCBI GeneID	5111
NCBI GenBank Nucleotide #	NP_872590.1
UniProt Accession #	P12004
NCBI Official Full Name	proliferating cell nuclear antigen
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
UniProt Protein Name	Proliferating cell nuclear antigen
UniProt Gene Name	PCNA
UniProt Synonym Gene Names	PCNA
UniProt Entry Name	PCNA_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/human-elisa-kits/proliferating-cell-nuclear-antigen-pcna/331457>