

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

Multi-species Proliferating Cell Nuclear Antigen (PCNA) ELISA Kit

CATALOG #
AAA140541

REACTIVITY
Human, Mouse, Rat

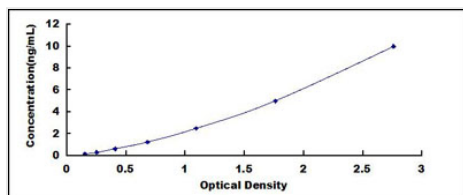
PRODUCT SYNONYMS

Proliferating Cell Nuclear Antigen (PCNA); Multi-species Proliferating Cell Nuclear Antigen (PCNA) ELISA Kit; Human/Mouse/Rat Proliferating Cell Nuclear Antigen (PCNA) (Sandwich ELISA) ELISA Kit; Cyclin; PCNA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Proliferating Cell Nuclear Antigen (PCNA). No significant cross-reactivity or interference between Proliferating Cell Nuclear Antigen (PCNA) and analogues was observed.
Sequence Length	261
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Proliferating Cell Nuclear Antigen (PCNA) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Proliferating Cell Nuclear Antigen (PCNA) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCNA elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Proliferating Cell Nuclear Antigen (PCNA). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Proliferating Cell Nuclear Antigen (PCNA). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Proliferating Cell Nuclear Antigen (PCNA), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Proliferating Cell Nuclear Antigen (PCNA) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PCNA elisa kit	Tumor immunity; Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	33239451
NCBI GeneID	5111
NCBI Accession #	NP_872590.1
NCBI GenBank Nucleotide #	NM_182649.1
Molecular Weight	28,769 Da
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://stage.aaabiotech.com/human-mouse-rat-elisa-kits/proliferating-cell-nuclear-antigen-pcna/140541>