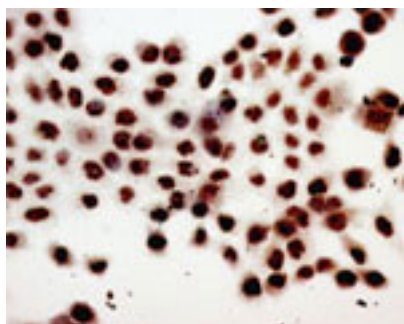


## Mouse monoclonal antibody to Proliferating Cell Nuclear Antigen (PCNA): IgG

<b>Catalogue No.:</b>	M-990-100
<b>Description:</b>	Proliferating cell nuclear antigen (PCNA) belongs to the DNA sliding clamp family. PCNA helps increase the processivity of DNA polymerase during leading strand synthesis in DNA replication. In response to DNA damage, PCNA is ubiquitinated and is involved in the RAD6 dependent DNA repair pathway.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	Protein A-PCNA fusion obtained from rat liver tissue.
<b>Other Names:</b>	PCNA; Cyclin;
<b>Accession:</b>	P12004 PCNA_HUMAN; P04961 PCNA_RAT
<b>Produced in:</b>	Mouse
<b>Purity:</b>	IgG
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 2.0 ug/mL is recommended for WB. Human PCNA has a predicted length of 261 residues and MW of 29 kDa. A concentration of 0.4-1.0 ug/mL is recommended to detect PCNA in formalin fixed and paraffin embedded tissues as well as formalin/acetone fixed tissues. Antigen retrieval may improve staining. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human; mouse; rat
<b>Form:</b>	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for up to 6 months for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase (lyophilized)



Immunohistochemical detection of PCNA in paraffin embedded HELA cell sections using Mouse monoclonal antibody to PCNA (M-990-100) at 0.4-1.0 µg/ml. Secondary antibody was biotinylated goat anti-mouse at a concentration of 10.0 µg/ml.

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