



Product name:	PCNA Mouse Monoclonal Antibody
Cat number:	MAB-80035
Conjugate:	Unconjugated
Size:	100 ug
Clone:	IML-83
Concentration:	1mg/ml
Host:	Mouse
Isotype:	IgG1
Immunogen:	Synthetic Peptide
Reactivity:	Human Rat Mouse
Applications:	WesternBlot:1/5000 Immunohistochemistry:1/200
Molecular Weight:	29kDa
Purification:	Purified
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
Storage:	Store at -20°C. Avoid repeated freeze-thaw cycles.
Background:	PCNA is a marker for cells in early G1 phase and S phase of the cell cycle. It is found in the nucleus and is a cofactor of DNA polymerase delta. PCNA acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage PCNA is ubiquitinated and is involved in the RAD6 dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for PCNA. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome.

