

**Cat. No:** 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

**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.

**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.

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