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45-1033: Mouse Monoclonal Antibody to PCNA (Clone : 4C10G3)(Discontinued)

Clonality :	Monoclonal
Clone Name :	4C10G3
Application :	ELISA
Gene :	PCNA
Gene ID :	5111
Uniprot ID :	P12004
Format :	Purified
Alternative Name :	Proliferating Cell Nuclear Antigen, Cyclin
Isotype :	Mouse IgG1, k
Immunogen Information :	Recombinant PCNA protein

Description

The proliferating cell nuclear antigen (PCNA) is a 36 kDa nuclear protein associated with the cell cycle. PCNA was initially identified as a nuclear antigen in proliferating cells and was subsequently described as a subunit for DNA polymerase ?. PCNA protein levels peak during the S-phase of the cell cycle, at which time it forms a complex with the p21 inhibitor. PCNA is almost undetectable in other phases of the cycle. Because of its unique expression, PCNA has been extensively used in studies associating the prognosis of tumor progression and neoplastic proliferation. Mouse Anti-PCNA Monoclonal Antibody is developed in mouse using recombinant human PCNA protein. Mouse Anti-PCNA is highly purified from mouse ascites by protein A chromatography and is supplied as 40 ?g aliquot.

Product Info

Amount :	40 µg
Purification :	Protein A chromatography
Content :	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 1% BSA and 0.02% sodium azide
Storage condition :	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Application Note

ELISA: 0.05-0.2 µg/ml
Western blot: 1-2 µg/ml
Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

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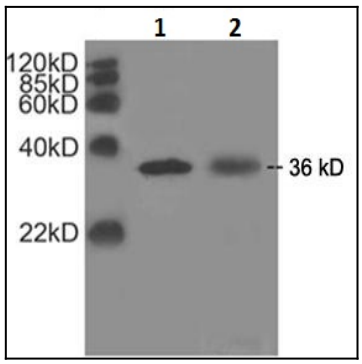

Figure-1 : Western blot analysis of PCNA Antibody (Clone: 4C10G3) at 1 µg/ml on 1: Hela cell lysate, 2: NIH/3T3 cell lysate.