

Proliferating Cell Nuclear Antigen (PCNA)

Antigen Specification

Product Number: 15400

Description:

Human Proliferating Cell Nuclear Antigen/Cyclin (PCNA). Recombinant antigen for research use or manufacturing only.

Immunological function:

Binds IgG-type human auto-antibodies.

Origin:

Recombinant. Expressed by recombinant baculovirus (*Autographa californica* multiple nuclear polyhedrosis virus; AcMNPV) infection of *Spodoptera frugiperda* Sf9 insect cells.

Expression construct:

Full-length cDNA coding for the human Proliferating Cell Nuclear Antigen / Cyclin fused to a hexa-histidine purification tag.

Biochemical tests:

SDS-PAGE (purity > 90%); Western blot with i: anti-PCNA autoantibody-positive sera; ii: monoclonal anti-hexa-His-tag antibody.

Calculated molecular weight:

29,794 Dalton

Calculated isoelectric point:

pH 4.8

Immunological tests/Functionality:

Standard ELISA test (checkerboard analysis of positive/negative sera panels); immunodot and microarray test with positive/negative sera panels.

Recommended buffer/storage and handling conditions:

Recommendations for storage buffer: neutral to slightly alkaline pH, and 20% glycerol as cryoprotective agent. Storage conditions: -70°C or below. Repeated freeze/thaw cycles should be avoided.

Coating concentration:

0.5-1.1 µg/ml (depending on the type of ELISA plate and coating buffer; CAUTION: these values are not based on exhaustive testing and are only guidelines for customer's development work). Suitable for labeling of functional groups.

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