

## 30-2148: PE Conjugated, Anti-PCNA Monoclonal Antibody (Clone:PC10)

|                                |                                    |
|--------------------------------|------------------------------------|
| <b>Clonality :</b>             | Monoclonal                         |
| <b>Clone Name :</b>            | PC10                               |
| <b>Application :</b>           | FACS                               |
| <b>Reactivity :</b>            | Human                              |
| <b>Conjugate :</b>             | PE                                 |
| <b>Gene :</b>                  | PCNA                               |
| <b>Gene ID :</b>               | 5111                               |
| <b>Uniprot ID :</b>            | P12004                             |
| <b>Alternative Name :</b>      | Proliferating cell nuclear antigen |
| <b>Isotype :</b>               | Mouse IgG2a                        |
| <b>Immunogen Information :</b> | recombinant rat PCNA               |

### Description

PCNA (proliferating cell nuclear antigen), which is the DNA polymerase delta auxiliary protein acting in homotrimeric form to increase the processivity of leading strand synthesis during DNA replication. PCNA is expressed in the nucleus of all proliferating cells. In response to DNA damage, it is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway. PCNA is a useful marker of DNA synthesis, as its form not involved in DNA synthesis degrades in histological preparations in the presence of organic solvents.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 tests   |
| <b>Storage condition :</b> | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. |

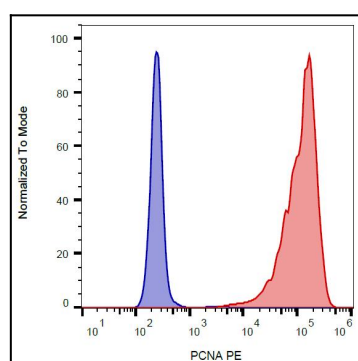


Figure 1: Intracellular staining of PCNA in K562 cells with anti-PCNA (PC10) PE.