

# Mouse IgG Heavy and Light Chain Cross-Adsorbed Antibody

Rabbit Polyclonal Conjugate HRP

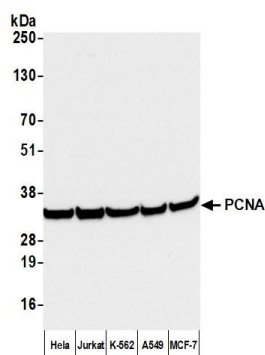
Antigen Affinity Purified

Catalog No. A90-217P

Lot No. 15

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                   |                      |                |                     |                |       |                      |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|----------------------|----------------|---------------------|----------------|-------|----------------------|
| <b>APPLICATIONS</b>          | WB, IHC, ICC, ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |                   |                      |                |                     |                |       |                      |
| <b>SPECIES REACTIVITY</b>    | Mouse. Minimum reactivity to bovine, chicken, goat, horse, human and pig                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                   |                      |                |                     |                |       |                      |
| <b>AMOUNT</b>                | 1 ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                   |                      |                |                     |                |       |                      |
| <b>CONCENTRATION</b>         | 0.5 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                   |                      |                |                     |                |       |                      |
| <b>STORAGE/SHELF LIFE</b>    | 2 – 8°C / 1 year from date of receipt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                   |                      |                |                     |                |       |                      |
| <b>PHYSICAL STATE</b>        | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                   |                      |                |                     |                |       |                      |
| <b>BUFFER</b>                | Phosphate Buffered Saline (PBS) containing 0.2% BSA and 0.05% Pro-Clean 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                   |                      |                |                     |                |       |                      |
| <b>ISOTYPE</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |                   |                      |                |                     |                |       |                      |
| <b>ORIGIN</b>                | USA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |                   |                      |                |                     |                |       |                      |
| <b>PRODUCTION PROCEDURES</b> | <p>Antiserum was cross adsorbed using bovine, chicken, goat, horse, human and pig immunosorbents to remove cross reactive Antibodies. The antibody to mouse IgG was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to horseradish peroxidase (HRP).</p> <p>Immunoglobulin concentration was determined using Beer's Law where 1mg/mL IgG has an A280 of 1.4.</p> <p>By immunoelectrophoresis and ELISA this antibody reacts specifically with mouse IgG and with light chains common to other mouse immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. Less than 1% cross reactivity to bovine, chicken, goat, horse, human, pig and rabbit IgG was detected. This antibody may cross react with IgG from other species.</p> |              |                   |                      |                |                     |                |       |                      |
| <b>APPLICATIONS</b>          | <p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <table><tr><td>Western Blot</td><td>1:5000 – 1:50,000</td></tr><tr><td>Immunohistochemistry</td><td>1:200 – 1:5000</td></tr><tr><td>Immunocytochemistry</td><td>1:200 – 1:5000</td></tr><tr><td>ELISA</td><td>1:10,000 – 1:100,000</td></tr></table>                                                                                                                                                                                                                                                                                                                                                               | Western Blot | 1:5000 – 1:50,000 | Immunohistochemistry | 1:200 – 1:5000 | Immunocytochemistry | 1:200 – 1:5000 | ELISA | 1:10,000 – 1:100,000 |
| Western Blot                 | 1:5000 – 1:50,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                   |                      |                |                     |                |       |                      |
| Immunohistochemistry         | 1:200 – 1:5000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                   |                      |                |                     |                |       |                      |
| Immunocytochemistry          | 1:200 – 1:5000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                   |                      |                |                     |                |       |                      |
| ELISA                        | 1:10,000 – 1:100,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                   |                      |                |                     |                |       |                      |
| <b>APPLICATION NOTES</b>     | Not all listed applications have been specifically tested by our laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                   |                      |                |                     |                |       |                      |
| <b>ADDITIONAL INFO</b>       | <p><a href="https://www.fortislife.com/p/A90-217P">https://www.fortislife.com/p/A90-217P</a></p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                   |                      |                |                     |                |       |                      |

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD Date: March 24, 2025



**Detection of human PCNA by western blot with HRP-conjugated Rabbit anti-Mouse IgG Heavy and Light Chain Cross-Adsorbed Antibody.** *Samples:* Whole cell lysate (50 µg) from Hela, Jurkat, K-562, A549, and MCF-7 cells prepared using NETN lysis buffer. *Antibody:* Mouse anti-PCNA Monoclonal Antibody [PC10] (A500-024A) used for WB at 1:1000. *Secondary:* HRP-conjugated Rabbit anti-Mouse IgG Heavy and Light Chain Cross-Adsorbed Antibody (A90-217P). *Detection:* Chemiluminescence with an exposure time of 3 seconds.