

**BETHYL** | **FORTIS**  
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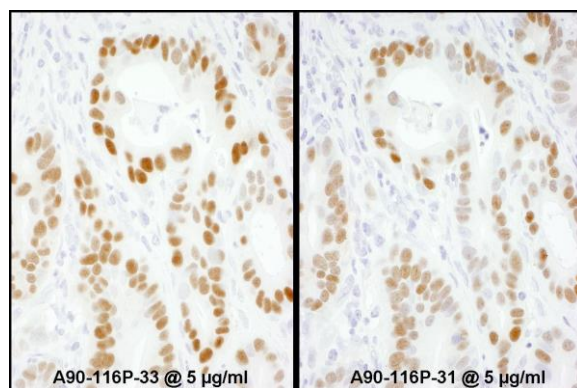
Conjugate HRP

Catalog No. A90-116P

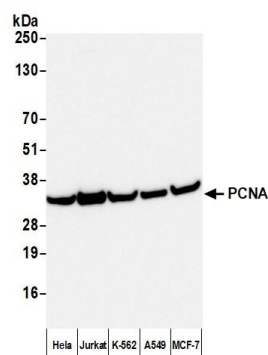
Lot No. 46

<b>APPLICATIONS</b>	WB, IHC, ICC, ELISA								
<b>SPECIES REACTIVITY</b>	Mouse								
<b>AMOUNT</b>	1 ml								
<b>CONCENTRATION</b>	1 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>The antibody was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to horseradish peroxidase (HRP).</p> <p>Prior to conjugation, immunoglobulin concentration was determined using Beer's Law where 1mg/mL IgG has an A280 of 1.4. Molar enzyme/antibody protein ratio is 4:1.</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. 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 border="0"> <tr> <td>Western Blot</td> <td>1:5000 – 1:50,000</td> </tr> <tr> <td>Immunohistochemistry</td> <td>1:40 – 1:400</td> </tr> <tr> <td>Immunocytochemistry</td> <td>1:50 – 1:500</td> </tr> <tr> <td>ELISA</td> <td>1:10,000 – 1:100,000</td> </tr> </table>	Western Blot	1:5000 – 1:50,000	Immunohistochemistry	1:40 – 1:400	Immunocytochemistry	1:50 – 1:500	ELISA	1:10,000 – 1:100,000
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<b>APPLICATION NOTES</b>	<p>IHC validation was performed using Immunohistochemistry Accessory Kit (Cat. # IHC–101).</p> <p>Goat anti–Mouse IgG–heavy and light chain Antibody HRP Conjugated (A90–116P Lot33) was substituted for anti–Rabbit IHC Concentrate (IHC–101D).</p>								
<b>ADDITIONAL INFO</b>	<p>Not all listed applications have been specifically tested by our laboratory.</p> <p><a href="https://www.fortislife.com/p/A90–116P">https://www.fortislife.com/p/A90–116P</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: October 3, 2024



**Detection of human p53 by immunoperoxidase.** *Samples:* FFPE serial sections of human stomach carcinoma. *Primary Antibody:* mouse anti-p53 (Clone DO-1) used at a dilution of 1:100. *Secondary Antibody:* goat anti-mouse IgG-heavy and light chain Antibody HRP Conjugated (A90-116P) used at a dilution of 1:200 (5µg/ml). *Detection:* DAB



**Detection of human PCNA by western blot with HRP-conjugated Goat anti-Mouse IgG Heavy and Light Chain 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 Goat anti-Mouse IgG Heavy and Light Chain Antibody (A90-116P). *Detection:* Chemiluminescence with an exposure time of 3 seconds.