# Rabbit IgG Heavy and Light Chain Antibody

Sheep Polyclonal Conjugate DyLight® 488

Antigen Affinity Purified

Catalog No. A120-100D2

Lot No. 13

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| **APPLICATIONS** | IHC, ICC, Flow Cyt, IF |
| **SPECIES REACTIVITY** | Rabbit |
| **AMOUNT** | 1 ml |
| **CONCENTRATION** | 0.5 mg/ml |
| **STORAGE/SHELF LIFE** | 2 - 8°C / 1 year from date of receipt |
| **PHYSICAL STATE** | Liquid |
| **BUFFER** | Phosphate Buffered Saline (PBS) containing 0.2% BSA and 0.09% Sodium Azide |
| **FLUOROPHORE/PROTEIN** | 7.2 |
| **ISOTYPE** | IgG |
| **ORIGIN** | USA |
| **PRODUCTION PROCEDURES** | The antibody was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to DyLight® 488.<br><br>Prior to conjugation, immunoglobulin concentration was determined using Beer's Law where 1mg/mL IgG has an A280 of 1.4.<br><br>By immunoelectrophoresis and ELISA this antibody reacts specifically with rabbit IgG and with light chains common to other rabbit immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. This antibody may cross react with IgG from other species. |
| **APPLICATIONS** | Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. |

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| Immunohistochemistry | 1:40 - 1:400 |
| Immunocytochemistry | 1:40 - 1:500 |
| Flow Cytometry | 1:50 - 1:200 |
| Immunofluorescence | 1:40 - 1:500 |

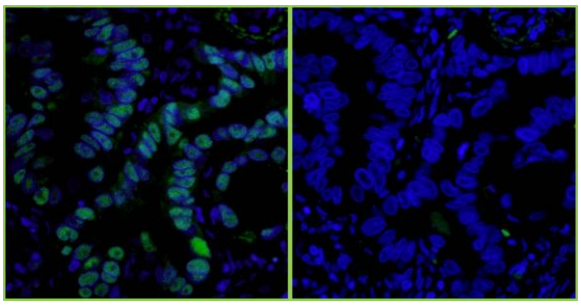
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| **APPLICATION NOTES** | Not all listed applications have been specifically tested by our laboratory.<br><br>DyLight® 488 is excited at 493 (in PBS) and emits at 518 (in PBS).<br><br>DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries. |
| **ADDITIONAL INFO** | Please visit our website for additional product information. |

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Michael Spencer, PhD Date: September 30, 2025



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**Detection of human PCNA by immunofluorescence.**
*Sample:* FFPE serial sections of human stomach carcinoma. *Primary Antibody:* Affinity purified rabbit anti-PCNA (IHC-00012) used at a dilution of 1:100 (left) and primary antibody omitted (right). *Secondary Antibody:* Green-fluorescent sheep anti-rabbit IgG-heavy and light chain Antibody DyLight® 488 Conjugated (A120-100D2 used at a dilution of 1:50 (10µg/ml). *Counterstain:* DAPI (blue)



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