# Goat IgG Heavy and Light Chain Cross-Adsorbed Antibody

F(ab')2 Donkey Polyclonal  Conjugate  DyLight® 488

Antigen Affinity Purified

Catalog No.  A50-207D2

Lot No.  10

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| **APPLICATIONS** | IHC, ICC, Flow Cyt, IF |
| **SPECIES REACTIVITY** | Goat. Minimum reactivity to chicken, human, mouse, rabbit and rat |
| **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 0.09% Sodium Azide |
| **FLUOROPHORE/PROTEIN** | 7.1 |
| **ISOTYPE** | IgG |
| **ORIGIN** | USA |
| **PRODUCTION PROCEDURES** | Antiserum was cross adsorbed using chicken, human, mouse, rabbit and rat immunosorbents to remove cross reactive antibodies. The antibody to goat IgG was isolated by affinity chromatography using antigen coupled to agarose beads. F(ab')2 fragments were generated using a pepsin digestion. Fc fragments and whole IgG molecules have been removed. Fragments were conjugated to DyLight® 488.<br><br>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 goat IgG and with light chains common to other goat immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. Less than 1% cross reactivity to chicken, human, mouse, rabbit and rat IgG was detected.<br><br>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 | 1:50 - 1:500 |
| Immunocytochemistry | 1:50 - 1:500 |
| Flow Cytometry | 1:50 - 1:200 |
| Immunofluorescence | 1:50 - 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: October 23, 2025



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