# Mouse IgG Heavy and Light Chain Antibody

Goat Polyclonal Conjugate Biotin

Antigen Affinity Purified

Catalog No. A90-116B

Lot No. 21

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| **APPLICATIONS** | WB, IHC, ICC, ELISA |
| **SPECIES REACTIVITY** | Mouse |
| **AMOUNT** | 1 ml |
| **CONCENTRATION** | 1 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 |
| **ISOTYPE** | IgG |
| **ORIGIN** | USA |
| **PRODUCTION PROCEDURES** | The antibody was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to biotin.<br><br>Prior to conjugation, immunoglobulin concentration was determined using Beer's Law where 1mg/mL IgG has an A280 of 1.4. Biotin/antibody protein ratio is 4:1.<br><br>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.<br><br>Biotinylated antibody was demonstrated by reaction with avidin/peroxidase when coated on microtiter wells. Working dilutions should be determined by the investigator. |
| **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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| Western Blot | 1:20,000 - 1:400,000 |
| Immunohistochemistry | 1:500 - 1:5000 |
| Immunocytochemistry | 1:200 - 1:1000 |
| ELISA | 1:20,000 - 1:400,000 |

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| **APPLICATION NOTES** | Not all listed applications have been specifically tested by our laboratory. |
| **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: June 4, 2026



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