# Human IgG-Fc Fragment Antibody

F(ab')2 Goat Polyclonal Conjugate Alkaline Phosphatase
Antigen Affinity Purified
Catalog No. A80-248AP
Lot No. 6

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| **APPLICATIONS** | WB, IHC, ICC, ELISA |
| **SPECIES REACTIVITY** | Human. Minimum reactivity to mouse 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** | 50 mM HEPES pH 7.1, 0.1 M NaCl, 1 mM $MgCl_2$, 0.1 mM $ZnCl_2$ containing 0.2% BSA and 0.09% $NaN_3$ |
| **ISOTYPE** | IgG |
| **ORIGIN** | USA |
| **PRODUCTION PROCEDURES** | Antiserum was solid phase adsorbed to ensure class specificity. Antiserum was cross adsorbed using mouse and rat immunosorbents to remove cross reactive antibodies. The antibody to human 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 alkaline phosphatase.<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 human IgG. Cross reactivity with IgA and IgM is negligible. No antibody was detected against non-immunoglobulin serum proteins. Less than 1% cross reactivity to mouse and rat IgG was detected. 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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| Western Blot | 1:2500 - 1:25,000 |
| Immunohistochemistry | 1:100 - 1:1000 |
| Immunocytochemistry | 1:100 - 1:1000 |
| ELISA | 1:2500 - 1:25,000 |

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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.
Date: September 17, 2026



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