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Datasheet for 609-106-017

# Human IgG Fc Antibody Biotin Conjugated Pre-Adsorbed

## Overview

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| **Description:** | Goat Anti-Human IgG Fc Antibody Biotin Conjugated (Min X Ms Serum Proteins) - 609-106-017 |
| **Item No.:** | 609-106-017 |
| **Size:** | 1 mg |
| **Applications:** | ELISA |
| **Reactivity:** | Human |
| **Host Species:** | Goat |

## Product Details

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| **Background:** | Anti-Human IgG F(c) Biotin Conjugated generated in goat detects Human F(c). A proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme papain under controlled conditions of temperature, time and pH. Receptors bind the Fc portion of human IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. F(c) Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays. |
| **Synonyms:** | Goat Anti Human IgG Fc Biotin Conjugation Antibody, Goat Anti-Human IgG F(c) Antibody Biotin Conjugated, Goat Anti Human IgG Fc Fragment Antibody Biotin Conjugate |
| **Host Species:** | Goat |
| **Specificity:** | IgG Fc |
| **Conjugate:** | Biotin |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Reactivity:** | Human |

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| **Immunogen:** | Human IgG F(c) fragment |
| **Purity/Specificity:** | This product was prepared from monospecific antiserum by immunoaffinity chromatography using Human IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Goat Serum, Human IgG, Human IgG F(c) and Human Serum. No reaction was observed against Human IgG F(ab)or Mouse serum proteins. |

## Application Details

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| **Tested Applications:** | ELISA |
| **Application Note:** | Anti-Human IgG F(c) Biotin Conjugated has been tested by ELISA and is designed for Western Blotting, Immunohistochemistry, ELISA as well as other antibody detection methods. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | 1:194,000 - 1:294,000 |
| **IHC:** | 1:500 - 1:2,500 |
| **WB:** | 1:1,000 - 1:5,000 |

## Formulation

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| **Physical State:** | Lyophilized |
| **Concentration:** | 1 mg/mL by UV absorbance at 280 nm |
| **Buffer:** | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.01% (w/v) Sodium Azide |
| **Stabilizer:** | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| **Reconstitution Volume:** | 1.0 mL |
| **Reconstitution Buffer:** | Restore with deionized water (or equivalent) |

## Shipping & Handling

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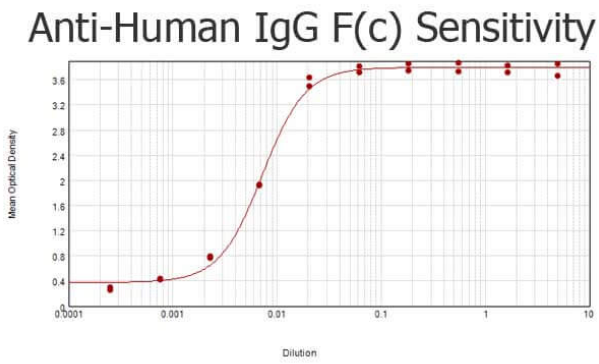
| **Shipping Condition:** | Ambient |
| **Storage Condition:** | Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |

**Expiration:** Expiration date is one (1) year from date of receipt.

## Images




**ELISA**
ELISA results of purified Goat anti-Human IgG F(c) Antibody Biotin conjugated tested against purified Human IgG F(c). Each well was coated in duplicate with 1.0 µg of Human IgG F(c) (p/n 009-0103). The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% fish gelatin as blocking buffer, Streptavidin Peroxidase Conjugated (p/n S000-03) and TMB substrate p/n TMBE-1000.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.