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Datasheet for 609-4503

# Human IgG Fc Antibody Alkaline Phosphatase Conjugated

## Overview

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| **Description:** | Rabbit Anti-Human IgG Fc Antibody Alkaline Phosphatase Conjugated - 609-4503 |
| **Item No.:** | 609-4503 |
| **Size:** | 1 mg |
| **Applications:** | Dot Blot, ELISA |
| **Reactivity:** | Human |
| **Host Species:** | Rabbit |

## Product Details

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| **Background:** | Anti-Human IgG F(c) Alkaline Phosphatase Conjugated generated in rabbit 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:** | Human Fc Antibody, Rb-a-Human F(c), Human IgG F(c) Antibody in Rabbit, rabbit anti-Human IgG F(c) Alkaline phosphatase Secondary Antibody |
| **Host Species:** | Rabbit |
| **Specificity:** | IgG Fc |
| **Conjugate:** | Alkaline Phosphatase (AP) |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Reactivity:** | Human |

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| **Immunogen Type:** | Native Protein |
| **Immunogen:** | Anti-Human IgG F(c) was produced by repeated immunization with Human Fc fragment in rabbit. |
| **Purity/Specificity:** | Anti-Human IgG F(c) 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-Alkaline Phosphatase (calf intestine), anti-Rabbit Serum, Human IgG, Human IgG F(c) and Human Serum. No reaction was observed against Human IgG F(ab). |

## Application Details

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| **Tested Applications:** | Dot Blot, ELISA |
| **Application Note:** | Anti-Human IgG F(c) Alkaline Phosphatase Conjugated antibody has been tested by dot blot and ELISA and is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | 1:2,000 - 1:10,000 |
| **IHC:** | 1:200 - 1:1,000 |
| **WB:** | 1:500 - 1:2,500 |

## Formulation

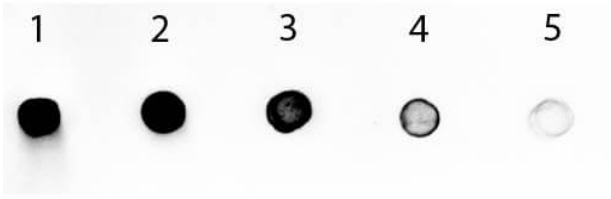
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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 1.0 mg/mL by UV absorbance at 280 nm |
| **Buffer:** | 0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0 |
| **Preservative:** | 0.05% (w/v) Sodium Azide |
| **Stabilizer:** | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |

## Shipping & Handling

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| **Shipping Condition:** | Wet Ice |

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| **Storage Condition:** | Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity. |
| **Expiration:** | Expiration date is one (1) year from date of receipt. |

## Images




**Dot Blot**
Dot Blot of Human IgG Fc Antibody Alkaline Phosphatase Conjugated. Antigen: Human IgG Fc Load: Lane 1 - 100ng Lane 2 - 33.33ng Lane 3 - 11.11ng Lane 4 - 3.70ng Lane 5 - 1.23ng Primary antibody: n/a Secondary antibody: Human IgG Fc Antibody Alkaline Phosphatase Conjugated at 1:1,000 for 60 min at RT. Block: MB-070 for 60 min at RT. Visualized using Alkaline Phosphatase Substrate.

## Disclaimer

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