

**Datasheet for 210-1103****Mouse IgG Fc Antibody****Overview**

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|----------------------|--------------------------------------------|
| <b>Description:</b>  | Goat Anti-Mouse IgG Fc Antibody - 210-1103 |
| <b>Item No.:</b>     | 210-1103                                   |
| <b>Size:</b>         | 50 mg                                      |
| <b>Reactivity:</b>   | Mouse                                      |
| <b>Host Species:</b> | Goat                                       |

**Product Details**

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| <b>Background:</b>   | Anti-Mouse IgG F(c) antibody generated in goat detects specifically mouse IgG F(c). It is 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 mouse IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity. Anti-Mouse IgG F(c) Antibody is ideal for investigators in Immunology, Cancer, and Microbiology research. |
| <b>Synonyms:</b>     | Mouse IgG F(c) Antibody, Gt-a-Mouse F(c), Mouse F(c) in goat, Goat F(c) Secondary Antibody, goat anti-mouse IgG F(c) fragment antibody                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Host Species:</b> | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Specificity:</b>  | IgG Fc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**Target Details**

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| <b>Reactivity:</b>         | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen:</b>          | Anti-Mouse IgG was produced by repeated immunization with mouse IgG F(c) fragment in goat.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity/Specificity:</b> | Anti-Mouse IgG F(c) Antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse IgG, Mouse IgG F(c) and Mouse Serum. No reaction was observed against Mouse IgG F(ab). |

## Application Details

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| <b>Application Note:</b> | Anti-Mouse IgG F(c) antibody has been assayed against 1.0 ug of Mouse IgG in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:8,000 of the reconstitution concentration is suggested for this product. |
| <b>Assay Dilutions:</b>  | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                         |
| <b>ELISA:</b>            | 1:20,000 - 1:100,000                                                                                                                                                                                                                                                                                                                                    |
| <b>IHC:</b>              | 1:1,000 - 1:5,000                                                                                                                                                                                                                                                                                                                                       |
| <b>WB:</b>               | 1:2,000 - 1:10,000                                                                                                                                                                                                                                                                                                                                      |

## Formulation

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                             |
| <b>Concentration:</b>         | 10.0 mg/mL by UV absorbance at 280 nm                   |
| <b>Buffer:</b>                | 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>          | 0.01% (w/v) Sodium Azide                                |
| <b>Stabilizer:</b>            | None                                                    |
| <b>Reconstitution Volume:</b> | 5.0 mL                                                  |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)            |

## Shipping & Handling

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| <b>Shipping Condition:</b> | Ambient                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Condition:</b>  | 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. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                           |

## Disclaimer

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