

## Datasheet for 610-4103

**Mouse IgG Fc Antibody****Overview**

|                      |                                              |
|----------------------|----------------------------------------------|
| <b>Description:</b>  | Rabbit Anti-Mouse IgG Fc Antibody - 610-4103 |
| <b>Item No.:</b>     | 610-4103                                     |
| <b>Size:</b>         | 2 mg                                         |
| <b>Applications:</b> | ELISA                                        |
| <b>Reactivity:</b>   | Mouse                                        |
| <b>Host Species:</b> | Rabbit                                       |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Anti-Mouse IgG F(c) generated in rabbit 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. |
| <b>Synonyms:</b>     | rabbit anti-Mouse IgG F(c) Antibody, Rb-a-Mouse F(c), Mouse F(c) Antibody in rabbit, Mouse F(c) Secondary Antibody                                                                                                                                                                                                                                                         |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Specificity:</b>  | IgG Fc                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                        |

**Target Details**

|                        |                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------|
| <b>Reactivity:</b>     | Mouse                                                                                             |
| <b>Immunogen Type:</b> | Native Protein                                                                                    |
| <b>Immunogen:</b>      | Anti-Mouse IgG F(c) was produced by repeated immunization with mouse IgG F(c) fragment in rabbit. |

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| <b>Purity/Specificity:</b> | This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Mouse IgG, Mouse IgG F(c) and Mouse Serum. No reaction was observed against Mouse IgG F(ab). |
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## Application Details

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| <b>Tested Applications:</b> | ELISA                                                                                                                                                                                                                                     |
| <b>Application Note:</b>    | Mouse IgG F(c) Antibody has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, and immunohistochemistry requiring extremely low background levels, lot-to-lot consistency, high titer and specificity. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                           |
| <b>ELISA:</b>               | 1:100,000 - 1:250,000                                                                                                                                                                                                                     |
| <b>IHC:</b>                 | 1:1,000 - 1:5,000                                                                                                                                                                                                                         |
| <b>WB:</b>                  | 1:2,000 - 1:10,000                                                                                                                                                                                                                        |

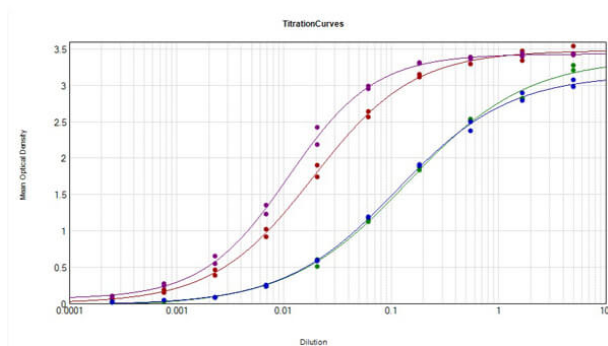
## Formulation

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                  |
| <b>Concentration:</b>  | 2.17 mg/mL by UV absorbance at 280 nm                      |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.01% (w/v) Sodium Azide                                   |
| <b>Stabilizer:</b>     | None                                                       |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                                                                                      |
| <b>Storage Condition:</b>  | Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                        |

## Images



### ELISA

ELISA of Rabbit Anti-Mouse IgG F(c) Antibody tested against purified Mouse IgG F(c). Each well was coated in duplicate with 1.0  $\mu$ g of Mouse IgG F(c) (p/n 010-0103) [Red Line], Mouse IgG Fab (p/n 010-0105) [Green line], Mouse IgG F(ab')<sub>2</sub> (p/n 010-0104) [Blue Line], and Mouse IgG (p/n 010-0102) [Purple Line]. The working dilution of Mouse IgG F(c) is 1:53000. The starting dilution of antibody was 5 $\mu$ g/ml and the X-axis represents the Log<sub>10</sub> of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC<sub>50</sub> is defined as the titer of the antibody. Assay performed using HRP Conjugate Stabilizer (p/n MB-076), Goat Anti-Rabbit IgG HRP conjugated (p/n 611-103-122), and TMB substrate (p/n TMBE-1000).

### Disclaimer

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