

**Datasheet for 010-0343****Mouse IgG3 isotype control Peroxidase****Overview**

|                     |                                                             |
|---------------------|-------------------------------------------------------------|
| <b>Description:</b> | Mouse IgG3 Isotype Control Peroxidase Conjugated - 010-0343 |
| <b>Item No.:</b>    | 010-0343                                                    |
| <b>Size:</b>        | 100 µg                                                      |
| <b>Origin:</b>      | Mouse                                                       |

**Product Details**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Background:</b>        | Isotype controls are important for Flow Cytometry and have no specificity for target cells within a particular experiment. Their purpose is to confirm the specificity of primary antibody binding that it is not a result of non-specific Fc receptor binding to cells or other cellular protein interactions. Isotype controls need to be matched to the specific primary Abs (species and isotype, including heavy and light chains) being used. |
| <b>Synonyms:</b>          | Peroxidase conjugated Mouse IgG3 subclass isotype control, Mouse IgG3 isotype control HRP conjugation                                                                                                                                                                                                                                                                                                                                               |
| <b>Species of Origin:</b> | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Conjugate:</b>         | Peroxidase (HRP)                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Clone ID:</b>          | MG3                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Format:</b>            | IgG3                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Type:</b>              | Native Protein                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**Target Details**

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| <b>Purity/Specificity:</b> | This product has been prepared from immunodeficient mouse ascites by protein A chromatography using specific conditions for subclass purification. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG3 and anti-Mouse serum. Isotyping assay resulted non-reactive with antisera to mouse IgG1, IgG2a, IgG2b, IgA, IgM. Peroxidase Conjugated Mouse IgG3 was proven by Dot Blot. |
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**Application Details**

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| <b>Application Note:</b> | Mouse IgG3 isotype control can be utilized as a control or standard reagent in Flow cytometry, Western Blotting, and ELISA experiments where determination of sample isotype is important. |
| <b>Assay Dilutions:</b>  | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                            |
| <b>FC:</b>               | 1:1000-1:5000                                                                                                                                                                              |
| <b>FLISA:</b>            | User Optimized                                                                                                                                                                             |
| <b>IF:</b>               | 1:1000-1:5000                                                                                                                                                                              |

## Formulation

|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                            |
| <b>Concentration:</b>         | 1.0 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) Gentamicin Sulfate. Do NOT add Sodium Azide!               |
| <b>Stabilizer:</b>            | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| <b>Reconstitution Volume:</b> | 100 $\mu$ L                                                            |
| <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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