

**Datasheet for 006-0203****Guinea Pig IgG Fc Fluorescein****Overview**

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| <b>Description:</b> | Guinea Pig IgG Fc Fragment Fluorescein Conjugated - 006-0203 |
| <b>Item No.:</b>    | 006-0203                                                     |
| <b>Size:</b>        | 1 mg                                                         |
| <b>Origin:</b>      | Guinea Pig                                                   |

**Product Details**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Background:</b>        | Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the complement cascade, and opsonization for phagocytosis. This antibody possesses the F(c) region, recognized by high-affinity Fc receptor proteins. |
| <b>Synonyms:</b>          | Guinea Pig IgG F(c) fragment fluorescein conjugated, Guinea Pig IgG F(c) fragment FITC conjugated                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species of Origin:</b> | Guinea Pig                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Conjugate:</b>         | Fluorescein (FITC)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Format:</b>            | IgG Fc                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Type:</b>              | Native Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**Target Details**

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| <b>Purity/Specificity:</b> | This product was prepared from normal serum by delipidation, salt fractionation and ion change chromatography followed by papain digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Guinea Pig IgG, anti-Guinea Pig IgG F(c) and anti-Guinea Pig Serum. No reaction was observed against anti-Guinea Pig IgG F(ab') <sub>2</sub> or anti-Papain. |
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**Application Details**

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| <b>Application Note:</b> | Guinea Pig IgG F(c) fragment Fluorescein conjugation is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This |
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product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.

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| <b>Assay Dilutions:</b> | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
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## Formulation

|                               |                                                                        |
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| <b>Physical State:</b>        | Lyophilized                                                            |
| <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>            | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| <b>Reconstitution Volume:</b> | 1.0 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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