

**Datasheet for 016-0104****Donkey IgG F(ab')<sub>2</sub>****Overview**

|                      |                                                    |
|----------------------|----------------------------------------------------|
| <b>Description:</b>  | Donkey IgG F(ab') <sub>2</sub> Fragment - 016-0104 |
| <b>Item No.:</b>     | 016-0104                                           |
| <b>Size:</b>         | 2 mg                                               |
| <b>Applications:</b> | SDS-PAGE                                           |
| <b>Origin:</b>       | Donkey                                             |

**Product Details**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Background:</b>        | Donkey IgG F(ab') <sub>2</sub> fragment - 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 product possesses the F(ab') <sub>2</sub> fragment, recognized by the two F(ab) fragments yielded from the digestion of the antibody below the disulfide bond hinge region. |
| <b>Synonyms:</b>          | Donkey IgG F(ab') <sub>2</sub> fragment, Donkey IgG Fab <sub>2</sub> fragment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species of Origin:</b> | Donkey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Format:</b>            | IgG F(ab') <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Type:</b>              | Native Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**Target Details**

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

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| <b>Tested Applications:</b> | SDS-PAGE                                                                                                                                                                                                                  |
| <b>Application Note:</b>    | Donkey IgG F(ab') <sub>2</sub> fragment has been tested by SDS-Page and are ideal for ELISA, western blotting, Immunohistochemistry, Fluorescence Microscopy, Flow Cytometry as well as other antibody detection methods. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                           |

## Formulation

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                |
| <b>Concentration:</b>         | 2.0 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) Sodium Azide                                   |
| <b>Stabilizer:</b>            | None                                                       |
| <b>Reconstitution Volume:</b> | 1.0 mL                                                     |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)               |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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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