

**Datasheet for 711-1324**

## **F(ab')<sub>2</sub> Rabbit IgG F(ab')<sub>2</sub> Antibody Peroxidase Conjugated Pre-Adsorbed**

### **Overview**

|                      |                                                                                                                                                   |
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| <b>Description:</b>  | Goat F(ab') <sub>2</sub> Anti-Rabbit IgG F(ab') <sub>2</sub> Antibody Peroxidase Conjugated (Min X Bv Hs Hu Ms Rt & Sh Serum Proteins) - 711-1324 |
| <b>Item No.:</b>     | 711-1324                                                                                                                                          |
| <b>Size:</b>         | 500 µg                                                                                                                                            |
| <b>Applications:</b> | ELISA, WB                                                                                                                                         |
| <b>Reactivity:</b>   | Rabbit                                                                                                                                            |
| <b>Host Species:</b> | Goat                                                                                                                                              |

### **Product Details**

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| <b>Background:</b>   | F(ab') <sub>2</sub> Anti-Rabbit IgG F(ab') <sub>2</sub> Peroxidase Antibody generated in goat detects Rabbit F(ab') <sub>2</sub> . Representing approximately 75% of serum immunoglobulins, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. F(ab') <sub>2</sub> Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays. |
| <b>Synonyms:</b>     | Goat F(ab') <sub>2</sub> Anti-Rabbit IgG F(ab') <sub>2</sub> Peroxidase Conjugated Antibody, Goat Fab2 Anti-Rabbit IgG Fab2 Antibody HRP Conjugation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Host Species:</b> | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Specificity:</b>  | IgG F(ab') <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Conjugate:</b>    | Peroxidase (HRP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Format:</b>       | IgG F(ab') <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### **Target Details**

|                    |        |
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| <b>Reactivity:</b> | Rabbit |
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| <b>Immunogen Type:</b>     | Native Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen:</b>          | Anti-Rabbit IgG F(ab') <sub>2</sub> Antibody was produced in goat by repeated immunization with Rabbit IgG F(ab') <sub>2</sub> fragment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity/Specificity:</b> | Anti-Rabbit IgG F(ab') <sub>2</sub> Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads followed by solid phase adsorption (s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Rabbit IgG, Rabbit IgG F(ab') <sub>2</sub> and Rabbit Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c), Rabbit IgG F(c) or Bovine, Horse, Human, Mouse, Rat and Sheep Serum Proteins. |

## Application Details

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| <b>Tested Applications:</b> | ELISA, WB                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Application Note:</b>    | F(ab') <sub>2</sub> Anti-Rabbit IgG F(ab') <sub>2</sub> Peroxidase Antibody has been tested by ELISA and western blot and is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring extremely low background levels, absence of F(c) mediated binding, 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                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>IHC:</b>                 | 1:1,000 - 1:5,000                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>WB:</b>                  | 1:2,000 - 1:10,000                                                                                                                                                                                                                                                                                                                                                                                                                                |

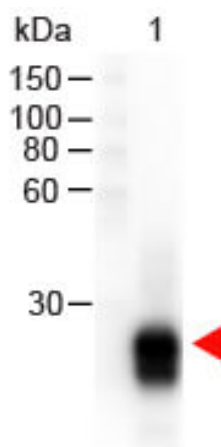
## Formulation

|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                            |
| <b>Concentration:</b>         | 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> | 500 µL                                                                 |
| <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.                                                                                                                                                                                                                                                                                           |

## Images



### Western Blot

Western Blot of Goat anti-F(ab')<sub>2</sub> Rabbit IgG F(ab')<sub>2</sub> Antibody Peroxidase Conjugated Pre-Adsorbed. Lane 1: Rabbit IgG F(ab')<sub>2</sub>. Lane 2: none. Load: 100 ng per lane. Secondary antibody: F(ab')<sub>2</sub> Rabbit IgG F(ab')<sub>2</sub> Antibody Peroxidase Conjugated Pre-Adsorbed at 1:1,000 for 60 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 28 kDa, 28 kDa for Rabbit IgG F(ab')<sub>2</sub>.

## Disclaimer

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