

**Datasheet for 113-4104****Sheep IgG F(ab')<sub>2</sub> Antibody****Overview**

|                      |                                                               |
|----------------------|---------------------------------------------------------------|
| <b>Description:</b>  | Rabbit Anti-Sheep IgG F(ab') <sub>2</sub> Antibody - 113-4104 |
| <b>Item No.:</b>     | 113-4104                                                      |
| <b>Size:</b>         | 2 mL                                                          |
| <b>Reactivity:</b>   | Sheep                                                         |
| <b>Host Species:</b> | Rabbit                                                        |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Background:</b>   | Anti-Sheep IgG F(ab') <sub>2</sub> Antibody generated in rabbit recognizes the dimeric Fab portion of the sheep IgG molecule. Sheep IgG F(ab') <sub>2</sub> is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH. F(ab') <sub>2</sub> molecules lack the Fc portion of IgG and therefore receptors that bind sheep IgG Fc will not bind sheep IgG F(ab') <sub>2</sub> molecules. 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. |
| <b>Synonyms:</b>     | rabbit anti-Sheep IgG F(ab') <sub>2</sub> fragment Antibody, rabbit anti-Sheep IgG Fab <sub>2</sub> fragment Antibody, rabbit anti Sheep IgG Fab <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Specificity:</b>  | IgG F(ab') <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Format:</b>       | Antiserum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Target Details**

|                    |                                        |
|--------------------|----------------------------------------|
| <b>Reactivity:</b> | Sheep                                  |
| <b>Immunogen:</b>  | Sheep IgG F(ab') <sub>2</sub> fragment |

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| <b>Purity/Specificity:</b> | This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against Sheep IgG, Sheep IgG F(ab') <sub>2</sub> and Sheep Serum. No reaction was observed against Sheep IgG F(c). |
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## Application Details

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| <b>Application Note:</b> | Anti-Sheep IgG F(ab') <sub>2</sub> antibody is suitable for use in ELISA, immunohistochemistry, and western blot. Specific conditions for reactivity should be optimized by the end user. |
| <b>Assay Dilutions:</b>  | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                           |
| <b>ELISA:</b>            | 1:20,000 - 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>         | 80 mg/mL by Refractometry                               |
| <b>Buffer:</b>                | 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>          | None                                                    |
| <b>Stabilizer:</b>            | None                                                    |
| <b>Reconstitution Volume:</b> | 2.0 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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