

Datasheet for 014-0604

## Swine IgG F(ab')<sub>2</sub> Biotin

### Overview

<b>Description:</b>	Swine IgG F(ab') <sub>2</sub> Fragment Biotin Conjugated - 014-0604
<b>Item No.:</b>	014-0604
<b>Size:</b>	1 mg
<b>Origin:</b>	Swine

### Product Details

<b>Background:</b>	Swine IgG F(ab') <sub>2</sub> Fragment Biotin Conjugated is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH. Swine IgG F(ab') <sub>2</sub> molecules lack the Fc portion of Swine IgG and therefore receptors that bind Swine IgG Fc will not bind Swine IgG F(ab') <sub>2</sub> molecules. 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 followed by biotin conjugation.
<b>Synonyms:</b>	Swine IgG F(ab') <sub>2</sub> fragment Biotin conjugated, Swine IgG Fab <sub>2</sub> fragment Biotin conjugation
<b>Species of Origin:</b>	Swine
<b>Conjugate:</b>	Biotin
<b>Format:</b>	IgG F(ab') <sub>2</sub>
<b>Type:</b>	Native Protein

### Target Details

<b>Purity/Specificity:</b>	This product was prepared from normal serum delipidation, salt fractionation, 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-biotin, anti-Swine IgG, anti-Swine IgG F(ab') <sub>2</sub> and anti-Swine Serum. No reaction was observed against anti-Swine IgG F(c) or anti-Pepsin.
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### Application Details

<b>Application Note:</b>	Swine IgG F(ab') <sub>2</sub> Fragment Biotin Conjugated reagents are ideal for ELISA, western blotting, Immunohistochemistry, as well as other antibody detection methods.
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**Assay Dilutions:** 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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**Physical State:** Lyophilized

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**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm

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**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

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**Preservative:** 0.01% (w/v) Sodium Azide

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**Stabilizer:** 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

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**Reconstitution Volume:** 1.0 mL

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**Reconstitution Buffer:** Restore with deionized water (or equivalent)

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## Shipping & Handling

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**Shipping Condition:** Ambient

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**Storage Condition:** 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.

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**Expiration:** Expiration date is one (1) year from date of receipt.

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## Disclaimer

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