

Datasheet for 007-0604

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

### Overview

<b>Description:</b>	Hamster IgG F(ab') <sub>2</sub> Fragment Biotin Conjugated - 007-0604
<b>Item No.:</b>	007-0604
<b>Size:</b>	1 mg
<b>Origin:</b>	Golden Syrian Hamster

### Product Details

<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 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>	Hamster IgG F(ab') <sub>2</sub> Fragment Biotin Conjugate, Hamster IgG Fab <sub>2</sub> Fragment Biotin Conjugation
<b>Species of Origin:</b>	Golden Syrian Hamster
<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-Golden Syrian Hamster IgG, anti-Golden Syrian Hamster IgG F(ab') <sub>2</sub> and anti-Golden Syrian Hamster Serum. No reaction was observed against anti-Golden Syrian Hamster IgG F(c) or anti-Pepsin.
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### Application Details

<b>Application Note:</b>	Hamster IgG F(ab') <sub>2</sub> Biotin can be utilized as a control or standard reagent in Western Blotting
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and ELISA experiments.

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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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