

## Datasheet for 601-4604

**Bovine IgG F(ab')<sub>2</sub> Antibody Biotin Conjugated****Overview**

<b>Description:</b>	Rabbit Anti-Bovine IgG F(ab') <sub>2</sub> Antibody Biotin Conjugated - 601-4604
<b>Item No.:</b>	601-4604
<b>Size:</b>	2 mg
<b>Reactivity:</b>	Bovine
<b>Host Species:</b>	Rabbit

**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 compliment 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>	rabbit anti Bovine IgG F(ab') <sub>2</sub> Antibody Biotin conjugation, rabbit anti Bovine IgG Fab <sub>2</sub> Antibody Biotin conjugation
<b>Host Species:</b>	Rabbit
<b>Specificity:</b>	IgG F(ab') <sub>2</sub>
<b>Conjugate:</b>	Biotin
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

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

**Purity/Specificity:** This product was prepared from monospecific antiserum by immunoaffinity chromatography using Bovine IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Rabbit Serum, Bovine IgG, Bovine IgG F(ab')<sub>2</sub> and Bovine Serum. No reaction was observed against Bovine IgG F(c).

## Application Details

**Application Note:** This product has been assayed against 1.0 ug of Bovine IgG in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:16,000 to 1:70,000 of the reconstitution concentration is suggested for this product.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**ELISA:** 1:20,000 - 1:100,000

**IHC:** 1:1,000 - 1:5,000

**WB:** 1:2,000 - 1:10,000

## Formulation

**Physical State:** Lyophilized

**Concentration:** 2.0 mg/mL by UV absorbance at 280 nm

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

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

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

**Reconstitution Volume:** 1.0 mL

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

## Shipping & Handling

**Shipping Condition:** Ambient

**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.

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

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## Disclaimer

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