

Datasheet for 006-0603

Guinea Pig IgG Fc Biotin**Overview**

Description:	Guinea Pig IgG Fc Fragment Biotin Conjugated - 006-0603
Item No.:	006-0603
Size:	1 mg
Applications:	Dot Blot, SDS-PAGE
Origin:	Guinea Pig

Product Details

Background:	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 antibody possesses the F(c) region, recognized by high-affinity Fc receptor proteins.
Synonyms:	Guinea Pig IgG F(c) fragment Biotin conjugation, Guinea Pig IgG Fc fragment BAC conjugate
Species of Origin:	Guinea Pig
Conjugate:	Biotin
Format:	IgG Fc
Type:	Native Protein

Target Details

Purity/Specificity:	This product was prepared from normal serum delipidation, salt fractionation, ion exchange chromatography followed by papain digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Guinea Pig IgG, anti-Guinea Pig IgG F(c) and anti-Guinea Pig Serum. No reaction was observed against anti-Guinea Pig IgG F(ab') ₂ or anti-Papain.
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Application Details

Tested Applications:	Dot Blot, SDS-PAGE
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Application Note: Guinea Pig IgG F(c) fragment Biotin conjugation has been tested in SDS-Page and dot blot and is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA), fluorescent western blotting, multiplex analysis, including multicolor imaging utilizing various commercial platforms.

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

Formulation

Physical State: Lyophilized

Concentration: 1.0 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)

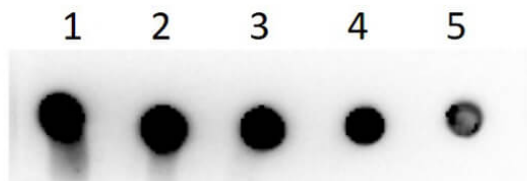
Shipping & Handling

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.

Images

**Dot Blot**

Dot Blot Results of Guinea Pig IgG F(c) Biotin Conjugated.
Guinea Pig IgG F(c) Biotin Conjugated (1) 100ng, (2) 33.33ng,
(3), 11.11ng, (4) 3.70, (5) 1.23ng. Primary Antibody: none.
Secondary Antibody: Streptavidin-HRP (p/n S000-03) at
1:40,000 for 30 mins at RT. Block: BlockOut Buffer (p/n MB-
073) at RT for 90 mins. Exposure: 5 secs.

Disclaimer

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