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Datasheet for 009-0603

Human IgG Fc Biotin

Overview

Description:	Human IgG Fc Fragment Biotin Conjugated - 009-0603
Item No.:	009-0603
Size:	1 mg
Applications:	Dot Blot
Origin:	Human

Product Details

Background:	Human IgG Fc purified protein is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme papain under controlled conditions of temperature, time and pH. Receptors bind the Fc portion of Human IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity.
Synonyms:	Human Immunoglobulin G F(c) fragment, IgG Fc, Vitamin H, Coenzyme R
Species of Origin:	Human
Conjugate:	Biotin
Format:	IgG Fc
Type:	Native Protein

Target Details

Purity/Specificity:	Human IgG F(c) fragment Biotin conjugated 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-Human IgG, anti-Human IgG F(c) and anti-Human Serum. No reaction was observed against anti-Human IgG F(ab')2 or anti-Papain.
Relevant Links:	• 009-0603 SDS

Application Details

Tested Applications:	Dot Blot
Application Note:	Human IgG F(c) fragment Biotin conjugated has been tested in dot blot and can be utilized as a control reagent in both Western Blotting and ELISA format experiments.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5000 - 1:50,000
IHC:	1:500
WB:	1:1000

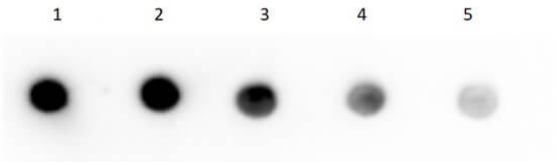
Formulation

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. Human IgG F(c) fragment Biotin conjugated 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 of Human IgG F(c) Fragment Biotin Conjugated. Human IgG F(c) Biotin Conjugate (1) 100ng, (2) 33.33ng, (3) 11.11ng, (4) 3.70ng, (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 30 mins. Exposure: 1 sec.

Disclaimer

No test method can provide total assurance that the hepatitis B virus, hepatitis C virus, human immunodeficiency virus, or any other infectious agents are absent. Thus, all blood products, including purified proteins derived from human blood sources, should be handled at Biosafety Level 2 as recommended by the CDC\NIH manual entitled Biosafety in Microbiological and Biomedical Laboratories for potentially infectious human serum, blood specimens or proteins derived from same. Source material for the human blood product supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis by FDA guidelines. All units were found to be non-reactive/negative for these tests. All human blood source material is collected in FDA licensed centers and is tested with FDA approved test kits.

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