

Datasheet for 001-0103**Bovine IgG Fc****Overview**

Description:	Bovine IgG Fc Fragment - 001-0103
Item No.:	001-0103
Size:	1 mg
Applications:	Dot Blot, SDS-PAGE
Origin:	Bovine

Product Details

Background:	Bovine IgG F(c) Fragment Agarose Conjugated product is made from IgG, secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. This product possesses the F(c) region, recognized by high-affinity Fc receptor proteins followed by agarose conjugation.
Synonyms:	Bovine IgG F(c) Agarose Conjugate, Bovine IgG Fc Agarose, Bovine Fc fragment Agarose conjugate
Species of Origin:	Bovine
Format:	IgG Fc
Type:	Native Protein

Target Details

Purity/Specificity:	This product was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation, ion exchange chromatography and papain digestion followed by chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Bovine Serum, anti-Bovine IgG and anti-Bovine IgG F(c). No reaction was observed against anti-Bovine 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: Bovine IgG F(c) has been tested in SDS-Page and Dot Blot and can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.

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

Formulation

Physical State: Liquid (sterile filtered)

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: None

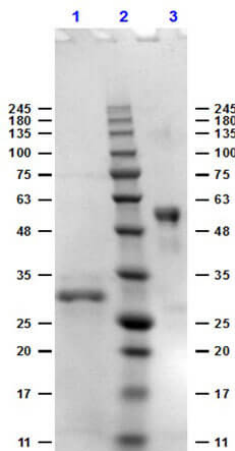
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Store vial at 4° C prior to opening. This product is stable 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.

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

Images

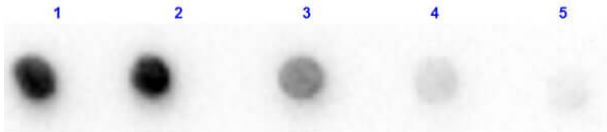


SDS-PAGE

SDS-PAGE for Bovine IgG F(c) Fragment. Lane 1: 1µg Reduced Bovine Fc. Lane 2: MW ladder Opal pre-stained (p/n MB-210-0500). Lane 3: 1µg Non-Reduced Bovine Fc. Coomassie Blue Stained.

Dot Blot

Dot Blot of Bovine IgG F(c) Fragment. Lane 1: 100 ng Bovine Fc. Lanes 2-5: serial dilution 3 fold of Antigen. Primary Antibody: Rabbit Anti-Bovine Fc (p/n 601-4103) at 1 μ g/ml at RT for 1 hour. Secondary Antibody: Rabbit Secondary HRP Antibody (p/n 611-103-122) at 1:70,000 for 30 min at RT. Block: MB-070 at RT for 30 minutes.

**Disclaimer**

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