

Datasheet for 013-0203

Sheep IgG Fc Fluorescein

Overview

Description:	Sheep IgG Fc Fragment Fluorescein Conjugated - 013-0203
Item No.:	013-0203
Size:	1 mg
Applications:	Dot Blot
Origin:	Sheep

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 product possesses the F(c) region, recognized by high-affinity Fc receptor proteins.
Synonyms:	Sheep IgG F(c) fragment fluorescein conjugation, Sheep IgG F(c) fragment FITC conjugate
Species of Origin:	Sheep
Conjugate:	Fluorescein (FITC)
Format:	IgG Fc
Type:	Native Protein
F/P Ratio:	2.8

Target Details

Purity/Specificity:	This product was prepared from normal serum by delipidation, salt fractionation and 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-Fluorescein, anti-Sheep IgG, anti-Sheep IgG F(c) and anti-Sheep Serum. No reaction was observed against anti-Sheep IgG F(ab') ₂ or anti-Papain.
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Application Details

Tested Applications:	Dot Blot
Application Note:	SHEEP IgG F(c) fragment Fluorescein conjugated has been tested by 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.
IF:	1:500 - 1:2,500

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.

Disclaimer

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