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Datasheet for 613-4204

Sheep IgG F(ab')2 Antibody Fluorescein Conjugated

Overview

Description:	Rabbit Anti-Sheep IgG F(ab')2 Antibody Fluorescein Conjugated - 613-4204
Item No.:	613-4204
Size:	1.5 mg
Applications:	Dot Blot
Reactivity:	Sheep
Host Species:	Rabbit

Product Details

Background:	Anti-Sheep IgG F(ab')2 Fluorescein Antibody generated in rabbit recognizes the dimeric Fab portion of the sheep IgG molecule. Sheep IgG F(ab')2 is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH. F(ab')2 molecules lack the Fc portion of IgG and therefore receptors that bind sheep IgG F(c) will not bind sheep IgG F(ab')2 molecules. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. This Anti-Sheep IgG F(ab')2 Antibody is conjugated to Fluorescein.
Synonyms:	Rabbit Anti-Sheep IgG F(ab')2 fluorescein Conjugated Antibody, Rabbit Anti-Sheep IgG Fab2 fluorescein Conjugated Antibody, Rabbit Anti-Sheep IgG Fab2 Fragment Antibody FITC Conjugation
Host Species:	Rabbit
Specificity:	IgG F(ab')2
Conjugate:	Fluorescein (FITC)
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	3.3

Target Details

Reactivity:	Sheep
Immunogen:	Sheep IgG F(ab')2 fragment
Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Sheep 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-Fluorescein, anti-Rabbit Serum, Sheep IgG, Sheep IgG F(ab')2 and Sheep Serum. No reaction was observed against Sheep IgG F(c).

Application Details

Tested Applications:	Dot Blot
Application Note:	Anti-Sheep IgG F(ab')2 Fluorescein Antibody has been tested by dot blot and is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for 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.
FC:	1:500 - 1:2,500
FLISA:	1:10,000 - 1:50,000
IF:	1:1,000 - 1:5,000

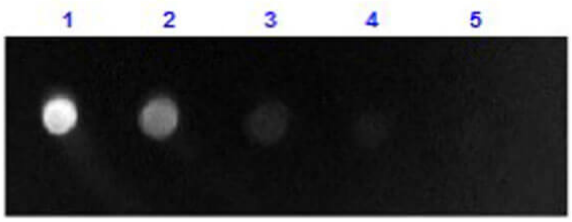
Formulation

Physical State:	Lyophilized
Concentration:	1.5 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium 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 Rabbit Anti-Sheep IgG F(ab')2 Antibody Fluorescein Conjugate. Dots are Sheep F(ab')2: (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Primary Antibody: none. Secondary Antibody: Rabbit Anti-Sheep IgG F(ab')2 Antibody FITC at 1ug/mL in MB-070 1hr RT. Imaged with BioRad ChemiDoc, Fluorescein filter.

Disclaimer

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