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Datasheet for 709-1231

F(ab')2 Human IgM Fc5u Antibody Fluorescein Conjugated

Overview

Description:	Goat F(ab')2 Anti-Human IgM Fc5µ Antibody Fluorescein Conjugated - 709-1231
Item No.:	709-1231
Size:	1 mg
Applications:	WB
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	F(ab')2 Anti-Human IgM Fc5µ Fluorescein Antibody generated in goat detects specifically the Fc5µ portion of the human IgM heavy chain. Immunoglobulin M is the largest antibody isotype and the first to be secreted against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together. F(ab')2 Anti-Human IgM Fc5µ antibody is ideal for investigators in Immunology, Microbiology, and Cell Biology.
Synonyms:	Goat F(ab')2 Anti-Human IgM Fc5µ Antibody Fluorescein Conjugation, Goat Fab2 Anti-Human IgM Fc5µ FITC Conjugated Antibody
Host Species:	Goat
Specificity:	IgM Fc5µ
Conjugate:	Fluorescein (FITC)
Clonality:	Polyclonal
Format:	IgG F(ab')2
F/P Ratio:	3.7

Target Details

Reactivity:	Human
Immunogen:	Human IgM Fc5µ fragment

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Human IgM coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Goat Serum, Human IgM and Human Serum. No reaction was observed against anti-Pepsin or anti-Goat IgG F(c). Specificity was confirmed by ELISA at less than 1% cross reactivity against other human heavy or light chain isotypes.

Application Details

Tested Applications:	WB
Application Note:	F(ab')2 Anti-Human IgM Fc5µ Fluorescein Antibody has been tested by western 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. Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
FC:	1:500-1:2,500
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 Polyethylene Glycol (PEG-8000)
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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.