

Datasheet for 709-1631**F(ab')₂ Human IgM Fc5 μ Antibody Biotin Conjugated****Overview**

Description:	Goat F(ab') ₂ Anti-Human IgM Fc5 μ Antibody Biotin Conjugated - 709-1631
Item No.:	709-1631
Size:	500 μ g
Applications:	ELISA
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	F(ab') ₂ Anti-Human IgM Fc5 μ Biotin Antibody generated in goat detects specifically the Fc5 μ 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 Fc5 μ antibody is ideal for investigators in Immunology, Microbiology, and Cell Biology.
Synonyms:	Goat F(ab') ₂ Anti-Human IgM Fc5 μ Antibody Biotin Conjugation, Goat Fab2 Anti-Human IgM Fc5 μ Biotin Conjugated Antibody
Host Species:	Goat
Specificity:	IgM Fc5 μ
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG F(ab') ₂

Target Details

Reactivity:	Human
Immunogen:	Human IgM Fc5 μ 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-Biotin, anti-Goat Serum, Human IgM Fc5 μ and Human Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c) or other human heavy or light chain proteins.
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Application Details

Tested Applications:	ELISA
Application Note:	F(ab') ₂ Anti-Human IgM Fc5 μ Biotin Antibody has been tested by ELISA and is suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency. F(ab') ₂ Anti-Human IgM Fc5 μ Biotin Antibody 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.
ELISA:	1:10,000 - 1:50,000
FC:	1:200 - 1:1,000
IHC:	1:500 - 1:3,000
WB:	1:1,000 - 1:5,000

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:	500 μ L
Reconstitution Buffer:	Restore with deionized water (or equivalent)

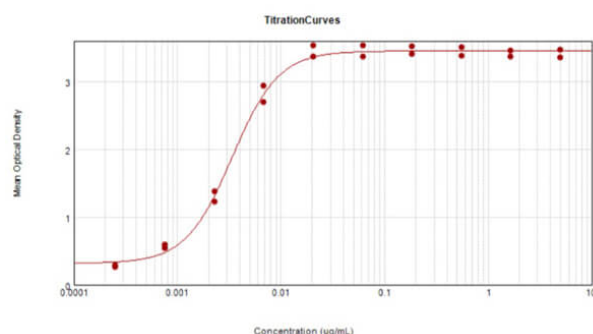
Shipping & Handling

Shipping Condition:	Ambient
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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



ELISA

ELISA Results of F(ab')₂ Goat Anti-Human IgM Fc₅μ Antibody Biotin Conjugated. Each well was coated in duplicate with 10 μg of Human IgM Fc₅μ (p/n 009-0131). The working dilution is 297,000. The starting dilution of antibody was 5μg/ml and the X-axis represents the Log₁₀ of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC₅₀ is defined as the titer of the antibody. Assay performed using 3%Fish Gel/PBS (p/n MB-066), HRP Stabilizer (p/n MB-076), and TMB substrate (p/n TMBE-1000).

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.