

Datasheet for 709-1131

F(ab')₂ Human IgM Fc5u Antibody**Overview**

Description:	Goat F(ab') ₂ Anti-Human IgM Fc5μ Antibody - 709-1131
Item No.:	709-1131
Size:	1 mg
Applications:	ELISA
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	F(ab') ₂ Anti-Human IgM Fc5μ 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, Goat Fab2 Anti-Human IgM Fc5μ Antibody
Host Species:	Goat
Specificity:	IgM Fc5μ
Clonality:	Polyclonal
Format:	IgG F(ab') ₂

Target Details

Reactivity:	Human
Immunogen Type:	Native Protein
Immunogen:	Anti-Human IgM Fc5u was produced by repeated immunization with human IgM Fc5μ fragment in goat.

Purity/Specificity:	F(ab') ₂ Human IgM Fc5 μ Antibody 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-Goat Serum, Human IgM and Human Serum. No reaction was observed against anti-Pepsin or anti-Goat IgG F(c).
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Application Details

Tested Applications:	ELISA
Application Note:	F(ab') ₂ Anti-Human IgM Fc5 μ Antibody has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, and immunohistochemistry requiring extremely low background levels, 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.
ELISA:	1:20,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

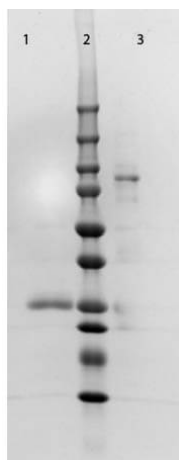
Formulation

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 for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage 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 of F(ab')₂ Anti-HUMAN IgM Fc5 μ (GOAT) Antibody. Lane 1: 1X Reduced, F(ab')₂ Anti-hu IgM Fc5 μ . Lane 2: Molecular Weight Ladder. Lane 3: 1X Non-Reduced, F(ab')₂ Anti-hu IgM Fc5 μ . 4-20% SDS-PAGE; Coomassie Stained.

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.