

Datasheet for 709-1331**F(ab')₂ Human IgM Fc5 μ Antibody Peroxidase Conjugated****Overview**

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| Description: | Goat F(ab') ₂ Anti-Human IgM Fc5 μ Antibody Peroxidase Conjugated - 709-1331 |
| Item No.: | 709-1331 |
| Size: | 500 μ g |
| Applications: | ELISA |
| Reactivity: | Human |
| Host Species: | Goat |

Product Details

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| Background: | F(ab') ₂ Anti-Human IgM Fc5 μ Peroxidase 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 Peroxidase Conjugation, Goat Fab2 Anti-Human IgM Fc5 μ HRP Conjugated Antibody |
| Host Species: | Goat |
| Specificity: | IgM Fc5 μ |
| Conjugate: | Peroxidase (HRP) |
| Clonality: | Polyclonal |
| Format: | IgG F(ab') ₂ |

Target Details

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| Reactivity: | Human |
| Immunogen: | Human IgM Fc5 μ fragment |

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| 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-Peroxidase, anti-Goat Serum, Human IgM and Human Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c), Human IgG or Human IgA. Specificity was confirmed by ELISA at less than 1% cross reactivity against other human heavy or light chain isotypes. |
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Application Details

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| Tested Applications: | ELISA |
| Application Note: | F(ab') ₂ Anti-Human IgM Fc5 μ Peroxidase Antibody has been tested by ELISA and has been designed for Western blot and ELISA. |
| 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

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| 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) Gentamicin Sulfate |
| 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

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| 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.