

RAT IgM whole molecule Peroxidase conjugated - 012-0307
Code: 012-0307

Size: 500 µg

Product Description: RAT IgM whole molecule Peroxidase conjugated - 012-0307

Concentration: 0.5 mg/mL by UV absorbance at 280 nm

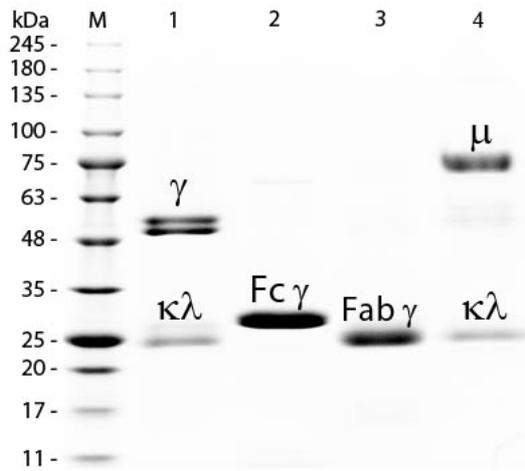
PhysicalState: Lyophilized

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| Label | Peroxidase (Horseradish) |
| Buffer | 0.04 M Potassium Phosphate, 0.30 M Sodium Chloride, pH 7.2 |
| Reconstitution Volume | 500 µL |
| Reconstitution Buffer | Restore with deionized water (or equivalent) |
| Stabilizer | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| Preservative | 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide! |
| 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. |
| Synonyms | Rat IgM Peroxidase conjugate, Rat IgM HRP conjugated |
| Application Note | Rat IgM Peroxidase conjugated whole molecule reagents are ideal for ELISA, western blotting, Immunohistochemistry, as well as other antibody detection methods. |
| Background | Rat IgM Peroxidase conjugated whole molecule - 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, the approximate molecular weight of IgM is 900kDa and possesses 10 binding sites (though due to the size of most antigens, not all sites are capable of binding at once). Due to this large size, IgM is typically isolated to the serum. Rat IgM Whole Molecule HRP conjugation is ideal for investigators in Immunology, Microbiology, and Cell Biology. |
| Purity And Specificity | This product was prepared from normal serum by delipidation, selective precipitation and tandem molecular sieve chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti- Rat IgM and anti-Rat Serum. |
| Assay Dilutions | User Optimized |
| Other Assays | User Optimized |
| Expiration | Expiration date is one (1) year from date of opening. |
| Related Products | |

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| 010-0102 | MOUSE IgG whole molecule - 010-0102 |
| 610-4302 | Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302 |
| 611-1302 | Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302 |
| BSA-50 | BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50 |

Images

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| 1 | SDS-PAGE of Rat IgM Whole Molecule Peroxidase Conjugated (p/n 012-0307). Lane M: 3 µL Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Rat IgG Whole Molecule (p/n 012-0102). Lane 2: Reduced Rat IgG F(c) Fragment (p/n 012-0103). Lane 3: Reduced Rat IgG Fab Fragment (p/n 012-0105). Lane 4: Reduced Rat IgM Whole Molecule Peroxidase Conjugated (p/n 012-0307). Load: 1 µg of IgG, F(c), Fab; 1.5 µg of IgM. Predicted/Observed size: IgG at 55 and 25 kDa; F(c) at 25 kDa; Fab at 25 kDa; IgM at 78 and 25 kDa. Observed F(c) Fragment migrates slightly higher. |
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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.