

GOAT IgM whole molecule - 005-0107

Code: 005-0107

Size: 1 mg

Product Description: GOAT IgM whole molecule - 005-0107

Concentration: 1.1 mg/mL by UV absorbance at 280 nm

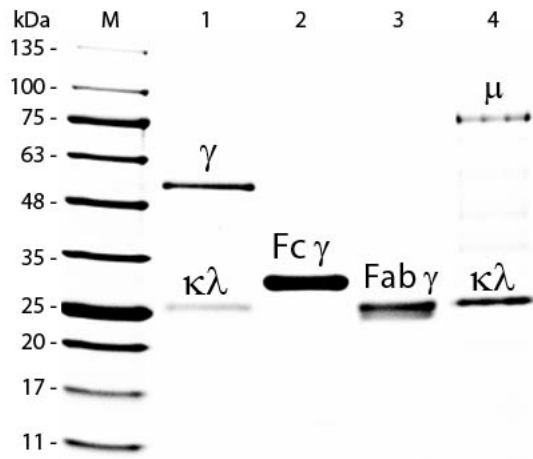
PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Buffer	0.1 M Tris Chloride, 0.5 M Sodium Chloride, pH 8.0
Stabilizer	10% (v/v) Glycerol
Preservative	0.1% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to opening. This product is stable 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Synonyms	Goat IgM whole molecule
Application Note	Goat IgM whole molecule can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.
Background	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. Goat IgM antibody is ideal for investigators in Immunology, Microbiology, and Cell Biology.
Purity And Specificity	This product was prepared from normal serum by a multi-step process which includes 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-Goat Serum and anti-Goat IgM (μ chain specific). No reaction was observed against anti-Goat IgG F(c). Some light chain cross reactivity will occur with anti-Goat IgG.
Assay Dilutions	User Optimized
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Related Products	

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

1	SDS-PAGE of Goat IgM Whole Molecule (p/n 005-0107). Lane M: 5 μ L Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Goat IgG Whole Molecule (p/n 005-0102). Lane 2: Reduced Goat IgG F(c) Fragment (p/n 005-0103). Lane 3: Reduced Goat IgG F(ab) Fragment (p/n 005-0105). Lane 4: Reduced Goat IgM Whole Molecule (p/n 005-0107). Load: 1 μ g for IgG, F(c) and F(ab); 3 μ g for IgM. Predicted/Observed size: IgG at 50 and 25 kDa; F(c) at 25 kDa; F(ab) at 25 kDa; IgM at 70 and 23 kDa. Observed F(c) Fragment migrates slightly higher.
---	---



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.