

HUMAN IgM (myeloma) Fab μ fragment Biotin conjugated - 009-0609
Code: 009-0609

Size: 1 mg

Product Description: HUMAN IgM (myeloma) Fab μ fragment Biotin conjugated - 009-0609

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Lyophilized

Label	Biotin
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	1.0 mL
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) 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	Human IgM Fab μ fragment Biotin conjugated, Human myeloma IgM Fab μ fragment Biotin conjugation
Application Note	Monovalent Fab fragments of affinity-purified, secondary antibodies are offered to cover (block) the surface of immunoglobulins for double labeling primary antibodies from the same host species, or to block endogenous immunoglobulins in tissue sections or on cell surfaces. They can be used for these purposes because each Fab fragment has only a single antigen binding site. HUMAN IgM (myeloma) Fab μ fragment Biotin conjugated can be utilized as a control or standard reagent in Western Blotting and ELISA experiments. Specific conditions should be optimized by the user.
Background	Human IgM Fab μ Biotin is ideal for investigators involved in serum protein component research. IgM is by far the physically largest antibody in the human circulatory system. It is the first antibody to appear in response to initial exposure to antigen. The spleen is the major site of specific IgM production. Distinct heavy chains differ in size and composition; alpha and gamma contain approximately 450 amino acids, while μ and δ have approximately 550 amino acids.
Purity And Specificity	This product was prepared from normal serum by delipidation, salt fractionation, ion exchange chromatography followed by enzyme digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Human IgM, anti-Human IgG F(ab') ₂ and anti-Human Serum. No reaction was observed against anti-Human IgM Fc μ .
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

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.