RABBIT IgG whole molecule Biotin conjugated - 011-0602

Code: 011-0602 **Size:** 1 mg

Product Description: RABBIT IgG whole molecule Biotin conjugated - 011-0602

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. Rabbit IgG whole molecule Biotin conjugated is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	Rabbit Immunoglobulin Gamma, IgG
Application Note	Rabbit IgG whole molecule Biotin conjugated can be utilized as a control reagent in both Western Blotting and ELISA format experiments. A streptavidin-conjugated reporter (ie. Streptavidin Peroxidase Conjugated) can be used for detection.
Background	Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsinization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-afinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present. This Human IgG whole molecule is conjugated to biotin (Vitamin H), a small biomolecule that has a large affinity for avidin and streptavidin. Rabbit IgG whole molecule Biotin Conjugated is ideal for investigators in Immunology, Cancer, and Microbiology research.
Purity And Specificity	Rabbit IgG whole molecule Biotin conjugated was prepared from normal serum delipidation, salt fractionation, ion exchange chromatography followed by extensive dialysis against the buffer stated above. Rabbit IgG whole molecule Biotin conjugated assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Rabbit IgG and anti-Rabbit Serum.
Assay Dilutions	User Optimized
ELISA	User Optimized
WESTERN BLOT	User Optimized
OTHER ASSAYS	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
General Reference	Janeway, Jr., Travers, Walport, and Shlomchik. "The Immune System in Health and Disease." Immunobiology, 5th Edition: Garland Science: 2001.

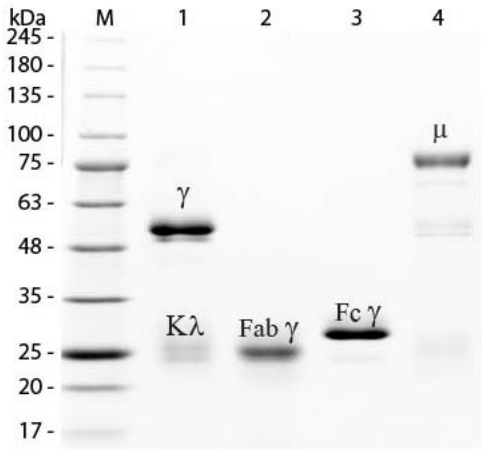
Related Products

006-0602	GUINEA PIG IgG whole molecule Biotin conjugated - 006-0602
007-0602	HAMSTER IgG whole molecule Biotin conjugated - 007-0602
010-0602	MOUSE IgG whole molecule Biotin conjugated - 010-0602
012-0602	RAT IgG whole molecule Biotin conjugated - 012-0602

Related Links

Images

1		SDS-PAGE of Rabbit IgG Whole Molecule Biotin Conjugated (p/n 011-0602). Lane M: 3 µL Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Rabbit IgG Whole Molecule Biotin Conjugated (p/n 011-0602). Lane 2: Reduced Rabbit IgG F(ab) Fragment (p/n 011-0105). Lane 3: Reduced Rabbit IgG F(c) Fragment (p/n 011-0103). Lane 4: Reduced Rabbit IgM Whole Molecule (p/n 011-0107). Load: 1 µg for F(ab) and F(c); 1.2 µg for IgG and 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

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