

RABBIT IgG F(c) fragment Biotin conjugated - 011-0603
Code: 011-0603

Size: 1 mg

Product Description: RABBIT IgG F(c) fragment Biotin conjugated - 011-0603

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	Rabbit IgG F(c) fragment biotin conjugation, biotin conjugated Rabbit IgG F(c) fragment
Application Note	Rabbit IgG F(c) fragment can be utilized as a control or standard reagent in Western Blotting and ELISA experiments. Specific conditions should be optimized by user.
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. This product possesses the F(c) region, recognized by high-affinity Fc receptor proteins.
Purity And Specificity	RABBIT IgG F(c) fragment was prepared from normal serum delipidation, salt fractionation, ion exchange chromatography followed by papain digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Rabbit IgG, anti-Rabbit IgG F(c) and anti-Rabbit Serum. No reaction was observed against anti-Rabbit IgG F(ab') ₂ or anti-Papain.
Assay Dilutions	User Optimized
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
General Reference	Janeway, CA, Jr.; et al. (2001). Immunobiology (5th ed.). Garland Publishing. ISBN 0-8153-3642-X.

Related Products

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
KCA003	Western Blot Kit Chemiluminescent Western Blot Kit for use with Rabbit Primary Antibody FemtoMax™ - KCA003
MB-064-1000	ELISA Microwell Blocking Buffer with Stabilizer (Azide and Mercury Free) - MB-064-1000

Related Links

NCBI - 2VUO_A

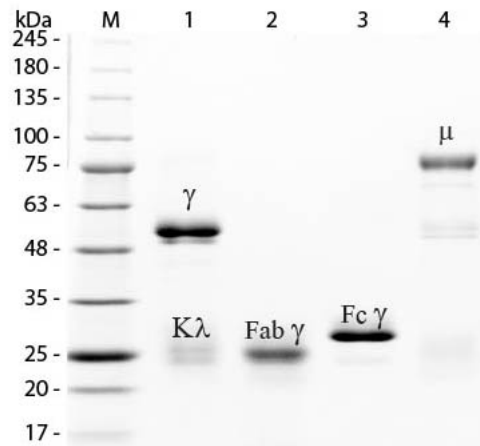
http://www.ncbi.nlm.nih.gov/protein/2VUO_A

 NCBI - 2VUO_B http://www.ncbi.nlm.nih.gov/protein/2VUO_B

Images

1

SDS-PAGE of Rabbit IgG F(c) Fragment Biotin Conjugated (p/n 011-0603). Lane M: 3 μ L Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Rabbit IgG Whole Molecule (p/n 011-0102). Lane 2: Reduced Rabbit IgG F(ab) Fragment (p/n 011-0105). Lane 3: Reduced Rabbit IgG F(c) Fragment Biotin Conjugated (p/n 011-0603). Lane 4: Reduced Rabbit IgM Whole Molecule (p/n 011-0107). Load: 1 μ g for F(ab) and F(c); 1.2 μ g 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

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.