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RABBIT IgG (BULK ORDER)

Catalog # ASR3580

Product Information

Description	RABBIT IgG whole molecule (BULK ORDER)
Conjugate	Unconjugated
Physical State	Lyophilized
Host Isotype	IgG
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Species of Origin	Rabbit
Reconstitution Volume	5.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Preservative	0.01% (w/v) Sodium Azide

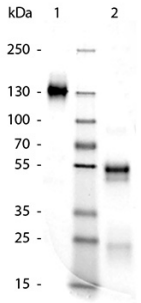
Additional Information

Shipping Condition	Ambient
Application Note	Rabbit IgG whole molecule can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.
Purity	Rabbit IgG whole molecular was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Rabbit IgG whole molecular was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG and anti-Rabbit Serum.
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 is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Precautions Note	This product is for research use only and is not intended for therapeutic or diagnostic applications.

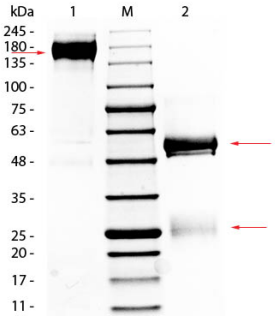
Background

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.

Images



SDS-Page of Rabbit IgG. Lane 1: Rabbit IgG - Non-Reduced. Lane 2: Rabbit IgG - Reduced. Load: 1.0 ug per lane. Predicted/Observed Size: Non-reduced - 130 kDa, Reduced - 55 and 28 kDa for Rabbit IgG. Other Band(s): None.



SDS-PAGE of Rabbit IgG Whole Molecule. Lane 1: Non-reduced Rabbit IgG Whole Molecule. Lane 2: 5 µL OPAL Pre-stained Marker (MB-210-0500). Lane 3: Reduced Rabbit IgG Whole Molecule. Load: 1 µg per lane. Predicted/Observed size: Non-reduced at 150-170 kDa , Reduced at 55, 25 kDa.

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SDS-PAGE of Rabbit IgG Whole Molecule (BULK ORDER) (p/n ASR3580). Lane M: 3 µL Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Rabbit IgG Whole Molecule (BULK ORDER) (p/n ASR3580). 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.