

**RA032S****Rabbit IgG Whole Molecule**

<b>Alternate names:</b>	Rabbit Immunoglobulin G
<b>Quantity:</b>	10 mg
<b>Concentration:</b>	10.0 mg/ml (by UV absorbance at 280 nm)
<b>Background:</b>	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-affinity 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.
<b>Species:</b>	Rabbit
<b>Source:</b>	Serum
<b>Format:</b>	<b>State:</b> Lyophilized IgG fraction <b>Buffer System:</b> 0.02M Potassium Phosphate, 0.15M Sodium Chloride, pH 7.2 <b>Preservatives:</b> 0.01% Sodium Azide <b>Stabilizers:</b> None <b>Reconstitution:</b> Restore with 1.0 ml of deionized water (or equivalent)
<b>Applications:</b>	Rabbit IgG whole molecule can be utilized as a control or standard reagent in Western Blotting and ELISA experiments. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Description:</b>	Purified Rabbit IgG Whole Molecule. Native Protein. 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.
<b>Storage:</b>	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**Pictures:**

SDS-PAGE of Rabbit IgG Whole Molecule:  
 Lane 1: Non-reduced Rabbit IgG Whole Molecule  
 Middle: Pre-Stained marker  
 Lane 2: Reduced Rabbit IgG Whole Molecule.  
 Load: 1 µg per lane.  
 Predicted / Observed size: Non-reduced at 150-170 kDa, Reduced at 55 / 25 kDa

