

**MONKEY IgG (BULK ORDER)**  
**Catalog # ASR3591****Specification****MONKEY IgG (BULK ORDER) - Product Information**

Description	<b>MONKEY IgG whole molecule (BULK ORDER)</b>
Conjugate	<b>Unconjugated</b>
Physical State	<b>Lyophilized</b>
Host Isotype	<b>IgG</b>
Buffer	<b>0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</b>
Species of Origin	<b>Monkey</b>
Reconstitution Volume	<b>1.0 mL</b>
Reconstitution Buffer	<b>Restore with deionized water (or equivalent)</b>
Stabilizer	<b>None</b>
Preservative	<b>0.01% (w/v) Sodium Azide</b>

**MONKEY IgG (BULK ORDER) - Additional Information****Shipping Condition**

Ambient

**Purity**

Monkey IgG whole molecule 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. Monkey IgG whole molecule was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Monkey IgG and anti-Monkey 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. Monkey IgG whole molecule is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Precautions Note**

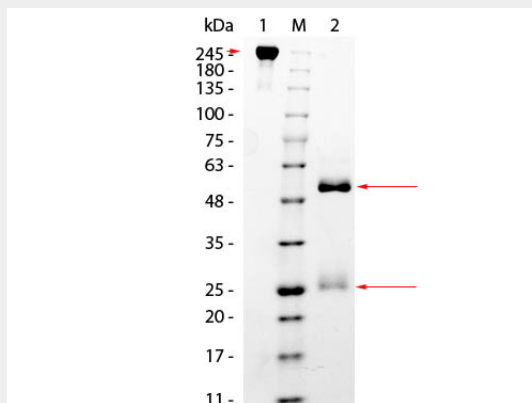
This product is for research use only and is not intended for therapeutic or diagnostic applications.

**MONKEY IgG (BULK ORDER) - Protein Information****MONKEY IgG (BULK ORDER) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **MONKEY IgG (BULK ORDER) - Images**



SDS PAGE of Monkey IgG Whole Molecule. Lane 1: Non-Reduced Monkey IgG Whole Molecule. Lane 2: 5 µL Opal Prestained Marker (MB-210-0500). Lane 3: Reduced Monkey IgG Whole Molecule. Load: 1 µg per lane. Predicted/Observed size: Non-Reduced at 160 kDa, Observed at greater than 180; Reduced at 55, 25 kDa. Non-reduced sample migrates higher due to large molecular weight.

#### **MONKEY IgG (BULK ORDER) - 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 complement cascade, and opsonization 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.