

**Guinea Pig IgG (BULK ORDER)**  
**Catalog # ASR3568****Specification**

---

**Guinea Pig IgG (BULK ORDER) - Product Information**

Description	<b>GUINEA PIG 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>Guinea Pig</b>
Reconstitution Volume	<b>2.5 mL</b>
Reconstitution Buffer	<b>Restore with deionized water (or equivalent)</b>
Preservative	<b>0.01% (w/v) Sodium Azide</b>

**Guinea Pig IgG (BULK ORDER) - Additional Information****Shipping Condition**

Ambient

**Purity**

Guinea Pig IgG 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. Guinea Pig IgG whole molecule was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Guinea Pig IgG and anti-Guinea Pig 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. Guinea Pig 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.

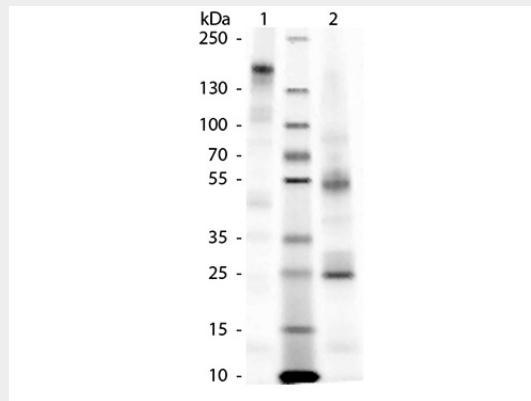
**Guinea Pig IgG (BULK ORDER) - Protein Information****Guinea Pig IgG (BULK ORDER) - Protocols**

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](#)

#### Guinea Pig IgG (BULK ORDER) - Images



SDS-Page of Guinea Pig IgG whole molecule. Lane 1: Guinea Pig IgG - Non-reduced. Lane 2: Guinea Pig IgG - Reduced. Load: 1.0  $\mu$ g per lane. Predicted/Observed size: 25 & 55 kDa - Reduced, 160 kDa - Non-reduced for IgG whole molecule. Other band(s): None.

#### Guinea Pig 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.