

**Horse IgG (BULK ORDER)**  
**Catalog # ASR3573****Specification**

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**Horse IgG (BULK ORDER) - Product Information**

Description	<b>HORSE 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>Horse</b>
Reconstitution Volume	<b>5.0 mL</b>
Reconstitution Buffer	<b>Restore with deionized water (or equivalent)</b>
Preservative	<b>0.01% (w/v) Sodium Azide</b>

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

Ambient

**Purity**

Horse IgG whole molecule was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and extensive dialysis against the buffer stated above. Horse IgG whole molecule was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Horse IgG, and anti-Horse 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. Horse 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.

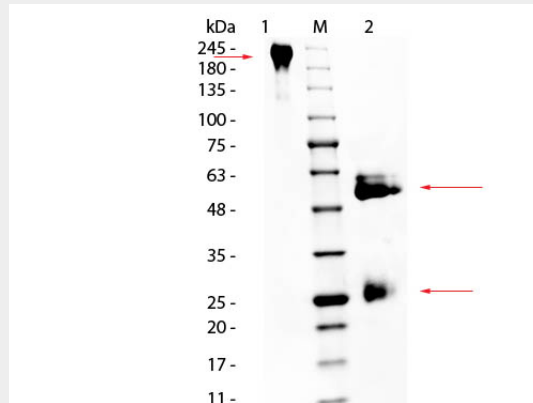
**Horse IgG (BULK ORDER) - Protein Information****Horse IgG (BULK ORDER) - Protocols**

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](#)

### Horse IgG (BULK ORDER) - Images



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

### Horse 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 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.