

**Sheep IgG (BULK ORDER)**  
**Catalog # ASR3584****Specification**

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

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|-----------------------|-------------------------------------------------------------------|
| Description           | <b>SHEEP 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>Sheep</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>                                   |

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

Ambient

**Purity**

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

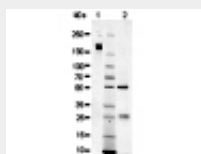
**Sheep IgG (BULK ORDER) - Protein Information****Sheep IgG (BULK ORDER) - Protocols**

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](#)

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



SDS-Page of Sheep IgG Lane 1: Sheep IgG Non-Reduced Lane 2: Sheep IgG Reduced Load: 1.0 ug per lane Non-Reduced Predicted/Obsevered Size: 160 kDa/160 kDa Reduced Predicted/Obsevered Size: 28 and 55 kDa/28 and 55 kDa

#### **Sheep IgG (BULK ORDER) - Background**

Secreted as part of the adaptive immune response by plasma B cells, Sheep 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.