

## Product Information

### **IgG from sheep serum** reagent grade

Catalog Number **I5131**

#### **Description**

Purified Sheep IgG is isolated from pooled normal sheep serum by fractionation and ion-exchange chromatography.

#### **Uses**

Purified IgG may be used as a reference antigen, standard, blocking agent or coating protein in a variety of immunoassays including ELISA, dot immunobinding, Western immunoblotting, immunodiffusion and immunoelectrophoresis. Other applications include starting materials for the preparation of immunogens and solid-phase immunoadsorbents.

#### **Reagent**

Supplied as an essentially salt-free lyophilized powder.

#### **Precautions and Disclaimer**

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

#### **Storage**

Prior to reconstitution, store at 2-8 °C. After reconstitution, store aliquots at -20 °C. Repeated freezing and thawing is not recommended

#### **Reconstitution**

The product is essentially a salt-free preparation and should be reconstituted to a minimum of 1mg/ml with a saline (150 mM NaCl) solution. Protein concentration should be determined after reconstitution by absorbance at 280 nm ( $E_{280}^{1\%} = 14$ ).

#### **Performance Characteristics**

Identity (Immunoelectrophoresis): Single major arc of precipitation in the gamma region versus anti-sheep whole serum and anti-sheep IgG. Minor gamma arcs may be present versus anti-sheep whole serum

Purity: ≥95% (SDS-PAGE)

Sodium Content: ≤1.0% (ICP)

Water Content: ≤10% (Karl Fischer)

Appearance: White to off-white powder.

Solubility: Clear to hazy solution at 50 mg/ml in 0.85% NaCl.

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