

Product Information

IgG from porcine serum

reagent grade

Catalog Number **I4381**

Product Description

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

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 to be reconstituted to a minimum of 1 mg/ml with a 150 mM NaCl solution. Protein concentration should be determined after reconstitution by absorbance at 280nm ($E_{280} 1\% = 14$).

Uses

Purified pig 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 immunoabsorbents.

Performance Characteristics

Purity: $\geq 95\%$ (SDS-PAGE)

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

Sodium (ICP): $\leq 1.0\%$

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