

Product Information

IgA from human colostrum

reagent grade

Catalog Number I1010

Product Description

Purified human IgA is isolated from pooled normal human colostrum by fractionation and ion-exchange chromatography.

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

Reagent

The product is supplied as an essentially salt-free, lyophilized powder. It should be reconstituted to a minimum of 1 mg/ml with a saline solution (150 mM NaCl). Protein concentration should be determined after reconstitution by absorbance at 280 nm.

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.

Potential Biohazard

Handle as if capable of transmitting infectious agents. Refer to the Material Safety Data Sheet. Source material tested and found negative for antibody to HIV and HBsAG.

Storage

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

Product Profile

Appearance: White, lyophilized powder.

Solubility: Hazy, colorless solution at 10 mg/ml in 0.85% NaCl.

Protein: ≥70%

Sodium Content (ICP-Atomic Emission): ≤2%

Identity (Immunoelectrophoresis): Single arc of precipitation in the gamma region at 50 and 250 µg of immunoglobulin versus anti-human whole serum and anti-human IgA.

Purity (SDS-PAGE, Reduced): ≥95%.

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