

RAT IgG (BULK ORDER)

Catalog # ASR3582

Product Information

Description RAT IgG whole molecule (BULK ORDER)

ConjugateUnconjugatedPhysical StateLyophilized

Host Isotype IgG

Buffer 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Species of Origin Rat **Reconstitution Volume** 1.0 mL

Reconstitution Buffer Restore with deionized water (or equivalent)

Stabilizer None

Preservative 0.01% (w/v) Sodium Azide

Additional Information

Shipping Condition Ambient

Application Note Rat IgG is suitable for use as antigen or ligand in immunochemical reactions,

as a control or standard in assays, for conjugation and most other immunological methods requiring highly purified immunoglobulins.

Purity Rat IgG 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. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rat IgG

and anti-Rat 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. This product is stable for several weeks at 4° C as an undiluted

liquid. Dilute only prior to immediate use.

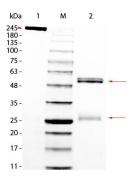
Precautions NoteThis product is for research use only and is not intended for therapeutic or

diagnostic applications.

Background

Rat IgG purified protein (Immunoglobulin G) are antibody molecules. Rat IgG is composed of four peptide chains — two heavy chains? and two light chains. Rat IgG has two antigen binding sites. Other Immunoglobulins may be described in terms of polymers with the IgG structure considered the monomer. Rat IgG typically constitutes 75% of serum immunoglobulins. Rat IgG molecules are synthesized and secreted by plasma B cells.

Images



SDS PAGE of Rat IgG Whole Molecule. Lane 1: Non-Reduced Rat IgG Whole Molecule. Lane 2: 5 µL Opal Prestained Marker (p/n MB-210-0500). Lane 3: Reduced Rat IgG Whole Molecule. Load: 1 µg per lane. Predicted/Observed size: Non-Reduced at 160kDa/Observed at 245 kDa; Reduced at 55, 25 kDa. Non-reduced IgG migrates slightly higher.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.