10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Cat IgG (BULK ORDER)

Catalog # ASR3556

Specification

Cat IgG (BULK ORDER) - Product Information

Description	**CAT IgG whole molecule (BULK ORDER)**
Conjugate	**Unconjugated**
Physical State	**Lyophilized**
Host Isotype	**IgG**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Species of Origin	**Cat**
Reconstitution Volume	**5.0 mL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Preservative	**0.01% (w/v) Sodium Azide**

Cat IgG (BULK ORDER) - Additional Information

Shipping Condition
Ambient

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

Cat IgG (BULK ORDER) - Protein Information

Cat IgG (BULK ORDER) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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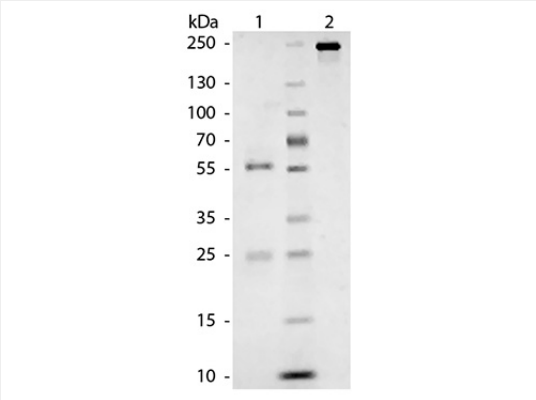
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Cat IgG (BULK ORDER) - Images



SDS-Page of Cat IgG Whole Molecule. Lane 1: Cat IgG – Reduced. Lane 2: Cat IgG – Non-Reduced. Load: 1.0 µg per lane. Predicted/Observed size: 28 & 55 kDa – Reduced, 160 kDa – Non-Reduced for IgG. Other Band(s): None.

Cat IgG (BULK ORDER) - Background

Secreted as part of the adaptive immune response by plasma B cells, 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. Cat IgG whole molecule is ideal for researchers in Cancer, Immunology, and Cell Biology.