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Rabbit IgG F(ab')2

Catalog # ASR2306

Specification

Rabbit IgG F(ab')2 - Product Information

Description	**RABBIT IgG F(ab')2 fragment**
Conjugate	**Unconjugated**
Physical State	**Lyophilized**
Host Isotype	**IgG F(ab')2**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Species of Origin	**Rabbit**
Reconstitution Volume	**1.0 mL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Stabilizer	**None**
Preservative	**0.01% (w/v) Sodium Azide**

Rabbit IgG F(ab')2 - Additional Information

Shipping Condition
Ambient

Purity
Rabbit IgG F(ab')2 was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by pepsin digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG, anti-Rabbit IgG F(ab’)2 and anti-Rabbit Serum. No reaction was observed against anti-Rabbit IgG F(c) or anti-Pepsin.

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 Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Rabbit IgG F(ab')2 - Protein Information

Rabbit IgG F(ab')2 - Protocols

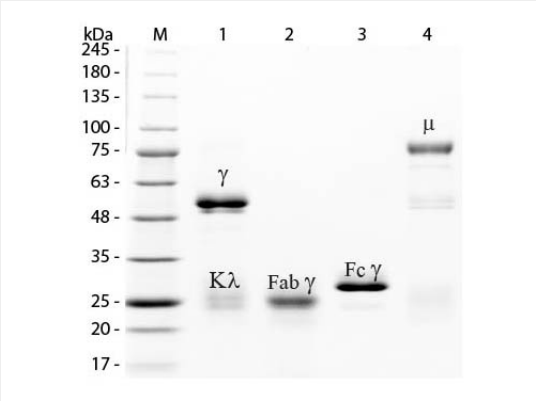
Provided below are standard protocols that you may find useful for product applications.

- Western Blot

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- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Rabbit IgG F(ab')2 - Images



SDS-PAGE of Rabbit IgG F(ab')2 Fragment . Lane M: 3 µL Opal Prestained Marker . Lane 1: Reduced Rabbit IgG Whole Molecule . Lane 2: Reduced Rabbit IgG F(ab')2 Fragment . Lane 3: Reduced Rabbit IgG F(c) Fragment . Lane 4: Reduced Rabbit IgM Whole Molecule . Load: 1 µg for F(ab')2 and F(c); 1.2 µg for IgG and IgM. Predicted/Observed size: IgG at 50 and 25 kDa; F(c) at 25 kDa; F(ab')2 at 25 kDa; IgM at 70 and 23 kDa. Observed F(c) Fragment migrates slightly higher.

Rabbit IgG F(ab')2 - 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 F(ab) fragment is the portion of the antibody that binds to the antigen target. The F(ab')2 fragment results from cleavage of the antibody molecule in such a way that both F(ab)s remain connected.