

Rabbit IgG F(c) fragment

Catalog # ASR3028

Specification

Rabbit IgG F(c) fragment - Product Information

Description Conjugate Physical State Host Isotype

Buffer

Species of Origin Stabilizer Preservative RABBIT IgG F(c) fragment

Unconjugated

Liquid (sterile filtered)

IgG F(c)

0.02 M Potassium Phosphate, 0.15 M

Sodium Chloride, pH 7.2

Rabbit None

0.01% (w/v) Sodium Azide

Rabbit IgG F(c) fragment - Additional Information

Shipping Condition

Wet Ice

Purity

Rabbit $IgG\ F(c)$ fragment was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation, ion exchange chromatography and papain digestion followed by chromatographic separation and extensive dialysis against the buffer stated above. Rabbit $IgG\ F(c)$ fragment assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit $IgG\ F(c)$. No reaction was observed against anti-Rabbit $IgG\ F(ab')$ 2 or anti-Papain.

Storage Condition

Store vial at 4° C prior to opening. 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. Rabbit IgG F(c) fragment 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(c) fragment - Protein Information

Rabbit IgG F(c) fragment - Protocols

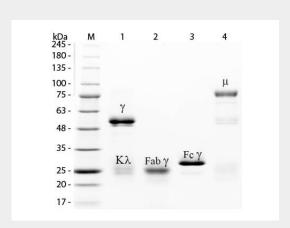
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot



- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Rabbit IgG F(c) fragment - Images



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

Rabbit IgG F(c) fragment - 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(c) fragment binds with very high affinity to the Fc receptor proteins on phagocytic leukocytes. When digested from the whole antibody molecule, the F(c) fragment no longer posses the epitope recognition site.Rabbit IgG F(c) fragment is ideal for investigators in Immunology, Cancer, and Microbiology research.