

Horse IgG F(c) fragment
Catalog # ASR2134**Specification**

Horse IgG F(c) fragment - Product Information

Description	HORSE IgG F(c) fragment
Conjugate	Unconjugated
Physical State	Lyophilized
Host Isotype	IgG F(c)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Species of Origin	Horse
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Preservative	0.01% (w/v) Sodium Azide

Horse IgG F(c) fragment - Additional Information**Shipping Condition**

Ambient

Purity

Horse 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. Horse IgG F(c) fragment assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Horse Serum, anti-Horse IgG and anti-Horse IgG F(c). No reaction was observed against anti-Horse IgG F(ab')₂ or anti-Papain.

Storage Condition

Store vial at 4° C prior to restoration. Restore with 1.0 mL of deionized water (or equivalent). 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. Horse IgG F(c) fragment is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

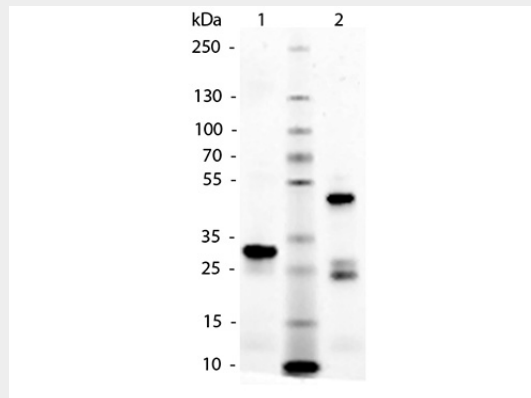
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Horse IgG F(c) fragment - Protein Information**Horse 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](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Horse IgG F(c) fragment - Images



SDS-Page of Horse IgG F(c) Fragment. Lane 1: Horse IgG F(c) Fragment - Reduced. Lane 2: Horse IgG F(c) Fragment - Non-reduced. Load: 1.0 µg per lane. Predicted/Observed Size: Reduced- 25 kDa, Non-Reduced- 50 kDa.

Horse 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 complement cascade, and opsonization 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 possesses the epitope recognition site.