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Guinea Pig IgG Fab (BULK ORDER)

Catalog # ASR3570

Product Information

Description	GUINEA PIG IgG F(ab) fragment (BULK ORDER)
Conjugate	Unconjugated
Physical State	Liquid (sterile filtered)
Host Isotype	IgG F(ab)
Buffer	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Species of Origin	Guinea Pig
Preservative	0.01% (w/v) Sodium Azide

Additional Information

Shipping Condition	Wet Ice
Application Note	Guinea Pig IgG F(ab) Fragment can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.
Purity	Guinea Pig IgG F(ab) fragment was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by papain digestion and extensive dialysis against the buffer stated above. Guinea Pig IgG F(ab) fragment was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Guinea Pig Serum, anti-Guinea Pig IgG and anti-Guinea Pig IgG F(ab')2. No reaction was observed against anti-Guinea Pig IgG F(c) or anti- Papain.
Storage Condition	Store vial at 4° C prior to restoration. Restore with 5.0 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. Guinea Pig IgG F(ab) 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.

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 immunoglobulin F(ab) also possesses one constant and one variable region of both the heavy and light chain.