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Datasheet for 006-0105

Guinea Pig IgG Fab

Overview

Description:	Guinea Pig IgG Fab Fragment (BULK ORDER) - 006-0105
Item No.:	006-0105
Size:	5 mg
Applications:	SDS-PAGE
Origin:	Guinea Pig

Product Details

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 opsonization for phagocytosis. This product possesses the F(ab) region possessing the epitope-recognition site, both heavy and light chains of the antibody molecule are present.
Synonyms:	Human Immunoglobulin Fab, F(ab), Fragment antigen-binding
Species of Origin:	Guinea Pig
Format:	IgG Fab
Type:	Native Protein

Target Details

Purity/Specificity:	Guinea Pig IgG Fab 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 Fab 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.

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Guinea Pig IgG Fab Fragment has been tested in SDS-Page and can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IHC:	User Optimized
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. Stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

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