

**Datasheet for 006-0105****Guinea Pig IgG Fab****Overview**

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

**Product Details**

<b>Background:</b>	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.
<b>Synonyms:</b>	Human Immunoglobulin Fab, F(ab), Fragment antigen-binding
<b>Species of Origin:</b>	Guinea Pig
<b>Format:</b>	IgG Fab
<b>Type:</b>	Native Protein

**Target Details**

<b>Purity/Specificity:</b>	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') <sub>2</sub> . No reaction was observed against anti-Guinea Pig IgG F(c) or anti- Papain.
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**Application Details**

<b>Tested Applications:</b>	SDS-PAGE
<b>Application Note:</b>	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.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	User Optimized
<b>IHC:</b>	User Optimized
<b>WB:</b>	User Optimized

## Formulation

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

## Shipping & Handling

<b>Shipping Condition:</b>	Wet Ice
<b>Storage Condition:</b>	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.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.



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