

## Datasheet for 606-4503

## Guinea Pig IgG Fc Antibody Alkaline Phosphatase Conjugated

### Overview

<b>Description:</b>	Rabbit Anti-Guinea Pig IgG Fc Antibody Alkaline Phosphatase Conjugated - 606-4503
<b>Item No.:</b>	606-4503
<b>Size:</b>	1 mg
<b>Applications:</b>	Dot Blot, ELISA
<b>Reactivity:</b>	Guinea Pig
<b>Host Species:</b>	Rabbit

### Product Details

<b>Background:</b>	Anti-Guinea Pig IgG F(c) generated in rabbit is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme papain under controlled conditions of temperature, time and pH. Receptors bind the Fc portion of guinea pig IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity.
<b>Synonyms:</b>	Rabbit Anti-Guinea Pig IgG F(c) Antibody Alkaline Phosphatase Conjugated, Rabbit Anti-Guinea Pig IgG Fc Fragment Antibody alk phos Conjugated
<b>Host Species:</b>	Rabbit
<b>Specificity:</b>	IgG Fc
<b>Conjugate:</b>	Alkaline Phosphatase (AP)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

### Target Details

<b>Reactivity:</b>	Guinea Pig
<b>Immunogen:</b>	Guinea Pig IgG F(c) fragment

**Purity/Specificity:** This product was prepared from monospecific antiserum by immunoaffinity chromatography using Guinea Pig IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine), anti-Rabbit Serum, Guinea Pig IgG, Guinea Pig IgG F(c) and Guinea Pig Serum. No reaction was observed against Guinea Pig IgG F(ab').

## Application Details

<b>Tested Applications:</b>	Dot Blot, ELISA
<b>Application Note:</b>	Anti-Guinea Pig IgG F(c) Alkaline Phosphatase conjugate has been tested by ELISA and dot blot and is suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other antibody-based enzymatic assays requiring lot-to-lot consistency.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:5,000 - 1:15,000
<b>IHC:</b>	1:200 - 1:1,000
<b>WB:</b>	1:500 - 1:2,500

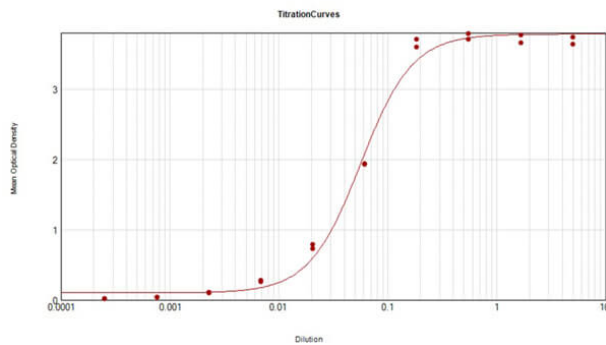
## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	1.0 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
<b>Preservative:</b>	0.1% (w/v) Sodium Azide
<b>Stabilizer:</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

## Shipping & Handling

<b>Shipping Condition:</b>	Wet Ice
<b>Storage Condition:</b>	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Images



### ELISA

ELISA Results of Rabbit Anti-Guinea Pig IgG F(c) Antibody Alkaline Phosphatase Conjugated tested against purified Guinea Pig IgG F(c) Alk Phos. Each well was coated in duplicate with 1.0 µg of Guinea Pig IgG F(c) (p/n 006-0103). The working dilution is 1:18,000. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log<sub>10</sub> of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC<sub>50</sub> is defined as the titer of the antibody. Assay performed using Alkaline Phosphatase ELISA Substrate Buffer (p/n NPP-10) and NPP Working Buffer (p/n NPP-B500).

## 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.