Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 611-1123

Rabbit IgG Fc Antibody Pre-Adsorbed

Overview

Description:	Goat Anti-Rabbit IgG Fc Antibody (Min X Human Serum Proteins) - 611-1123
Item No.:	611-1123
Size:	2 mg
Applications:	Dot Blot, ELISA, WB
Reactivity:	Rabbit
Host Species:	Goat

Product Details

Background:	Anti-Rabbit IgG F(c) generated in goat 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 rabbit IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity.
Synonyms:	goat anti-Rabbit F(c) Antibody, Gt-a-Rabbit IgG F(c), Rabbit Antibody in Goat, Goat anti-Rabbit F (c) fragment Secondary Antibody
Host Species:	Goat
Specificity:	IgG Fc
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Rabbit
Immunogen Type:	Native Protein
Immunogen:	Anti Rabbit IgG F(c) was produced by repeated immunization with rabbit IgG F(c) fragment in goat.

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Rabbit IgG, Rabbit IgG F(c) and Rabbit Serum. No reaction was observed against Rabbit IgG F(ab) or Human Serum Proteins.
Relevant Links:	• 611-1123 SDS

Application Details

Tested Applications:	Dot Blot, ELISA, WB
Application Note:	Anti-Rabbit IgG F(c) is tested by immunoelectrophoresis, ELISA, dot blot, and western blot. This product is suitable for use in western-blot, competitive western-blot, and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user. Expect ~25kDa for Rabbit IgG F(c) Fragment.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

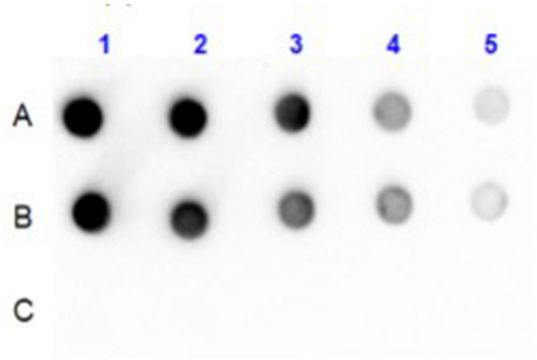
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	2mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

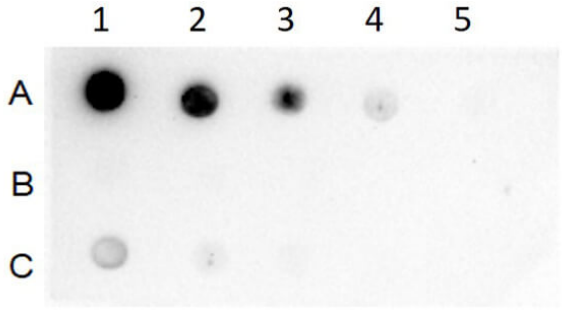
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. This product is stable for several weeks 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.

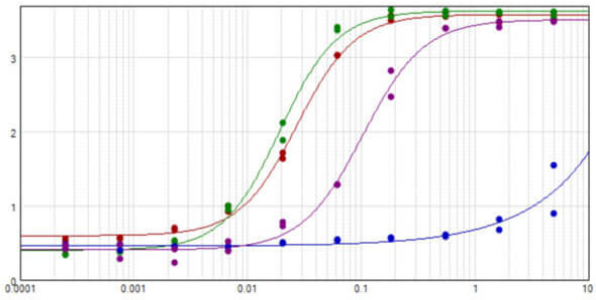
Images



Dot Blot
Dot Blot of Goat Anti-RABBIT IgG F(c) Antibody (Min X Human Serum Proteins).
Row A: Rabbit IgG whole Molecule (p/n 011-0102).
Row B: Rabbit F(c) (p/n 011-0103).
Row C; Rabbit F(ab) (p/n -011-0105).
Samples Loaded: 1- 100ng, 2- 33.33ng, 3- 11.11ng, 4- 3.70ng, 5- 1.23ng.
Primary Antibody: Goat Anti-RABBIT IgG F(c) Mx Hu at 1.0µg/mL for 60mins at RT.
Secondary Antibody: Custom HRP at 1:40,000 for 30mins at RT.
Blocking (p/n MB-070) for 60 mins at RT.
Exposure: 5 sec.

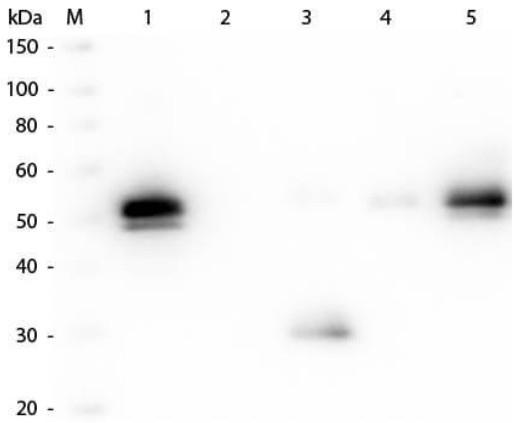


Dot Blot
Dot Blot Results of Goat Anti-Rabbit F(c) mx Human IgG. Row A: Rabbit F(c) protein (p/n 011-0103). Row B: Rabbit F (ab) protein (p/n 011-0105). Row C: Human IgG protein (009 -0102). Amount Dotted: (1) 10ng, (2) 3.33ng, (3) 1.11ng, (4) 0.37ng, (5) 0.12ng. Primary Antibody: Anti-Rabbit F(c) at 1.0µL/mL for 1hr at RT. Secondary Antibody: Donkey Anti-Goat IgG Peroxidase Conjugate at 1:40,000 for 30mins at RT. Block: BlockOut Buffer (p/n MB-073). Exposure: 60secs.



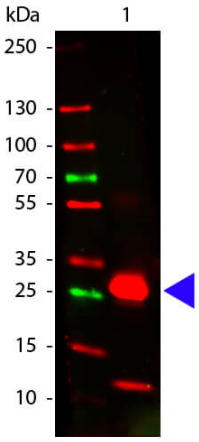
ELISA

ELISA results of purified Goat Anti-Rabbit IgG F(c) Antibody (Min x Human serum proteins) tested against purified Rabbit IgG F(c) (Red Line), Rabbit IgG (Green Line), and Human IgG (Blue Line). Each well was coated in duplicate with 1.0 µg of antigen Rabbit IgG F(c) (011-0103), Rabbit IgG (011-0102), and Human IgG (009-0102). The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using Blocking buffer (p/n MB-060-1000), Donkey Anti-Goat IgG HRP (p/n 605-703-125), and TMB substrate (p/n TMBE-1000).



Western Blot

Western Blot of Anti-Rabbit IgG F(c) (GOAT) Antibody (p/n 611-1103). Lane M: 3 µl Molecular Ladder. Lane 1: Rabbit IgG whole molecule (p/n 011-0102). Lane 2: Rabbit IgG F(ab) Fragment (p/n 011-0105). Lane 3: Rabbit IgG F(c) Fragment (p/n 010-0103). Lane 4: Rabbit IgM Whole Molecule (p/n 011 -0107). Lane 5: Normal Rabbit Serum (p/n B309). All samples were reduced. Load: 50 ng of IgG, F(ab), IgM and Serum, 100 ng of F(c). Block: MB-070 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG F(c) (GOAT) Antibody (p/n 611-1103) 1:2,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody (p/n CUST10) 1:40,000 in MB-070 for 30 min at RT. Predicted/Observed Size: 25 and 50 kDa for Rabbit IgG and Serum, 25 kDa for F(c) and F(ab), 70 and 23 kDa for IgM. Rabbit F(c) migrates slightly higher.



Western Blot

Western Blot of Goat anti-Rabbit Fc antibody. Lane 1: Rabbit Fc (p/n 011-0103). Load: 100 ng per lane. Primary antibody: Rabbit Fc antibody at 1:1,000 for overnight at 4°C. Secondary antibody: DyLight™ 649 goat secondary antibody at 1:20,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 28 kDa, 28 kDa for Rabbit Fc. Other band(s): Rabbit Fc splice variants and isoforms.

www.rockland.com
tech@rockland.com
+1 484.791.3823

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.