

Datasheet for 613-4103

Sheep IgG Fc Antibody

Overview

Description:	Rabbit Anti-Sheep IgG Fc Antibody - 613-4103
Item No.:	613-4103
Size:	2 mg
Applications:	Dot Blot, ELISA
Reactivity:	Sheep
Host Species:	Rabbit

Product Details

Background:	Anti-Sheep 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 sheep IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity. Anti-Sheep IgG F(c) antibody is ideal for investigators in Cancer, Immunology, and Microbiology research.
Synonyms:	Rabbit Anti-Sheep IgG F(c) Antibody, Rabbit Anti-Sheep IgG Fc Antibody, Rabbit Anti-Sheep IgG Fc Fragment Antibody
Host Species:	Rabbit
Specificity:	IgG Fc
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Purity/Specificity:	Anti-Sheep IgG F(c) was prepared from monospecific antiserum by immunoaffinity chromatography using Sheep IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Sheep IgG, Sheep IgG F(c) and Sheep Serum. No reaction was observed against Sheep IgG F(ab).
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Application Details

Tested Applications:	Dot Blot, ELISA
Application Note:	Anti-Sheep IgG F(c) antibody has been tested by ELISA and dot blot and is assayed against 1.0 ug of Sheep IgG in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:8,000 of the reconstitution concentration is suggested for this product.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:200,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:5,000

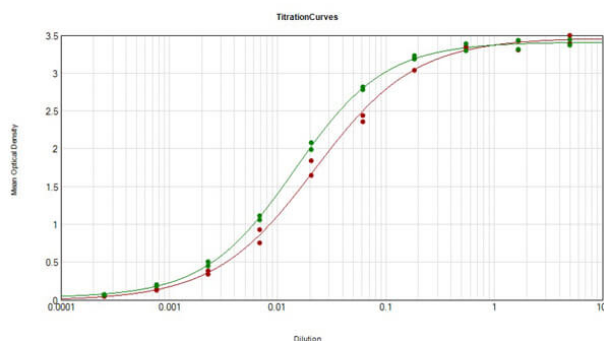
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	2.0 mg/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



ELISA

ELISA Results of Rabbit Anti-Sheep IgG F(c) Antibody tested against purified Sheep IgG F(c). Each well was coated in duplicate with 1.0 µg of Sheep IgG F(c) (p/n 013-0103) [Red Line] and Sheep IgG (p/n 013-01020) [Green Line]. The working dilution of Sheep IgG F(c) is 1:45,000. 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 HRP Conjugation Stabilizer (p/n MB-076), Goat Anti-Rabbit IgG HRP conjugated (p/n 611-103-122) and TMB substrate (p/n TMBE-1000).

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.