

Datasheet for 109-1103

Human IgG Fc Antibody

Overview

Description:	Goat Anti-Human IgG Fc Antibody - 109-1103
Item No.:	109-1103
Size:	2 mL
Applications:	WB, Cellular Assay
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	Anti-Human IgG F(c) generated in goat detects Human F(c). 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 human IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. F(c) Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.
Synonyms:	goat anti-Human IgG F(c) fragment Antibody, goat anti-Human IgG Fc fragment Antibody, goat anti Human IgG Fc
Host Species:	Goat
Specificity:	IgG Fc
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Reactivity:	Human
Immunogen:	Human IgG F(c) fragment

Purity/Specificity:	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against Human IgG, Human IgG F(c) and Human Serum. No reaction was observed against Human IgG F(ab).
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Application Details

Tested Applications:	WB
Suggested Applications:	Cellular Assay (Based on references)
Application Note:	This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
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

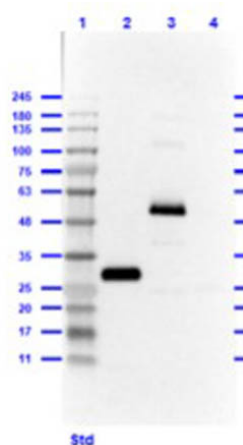
Formulation

Physical State:	Lyophilized
Concentration:	31.0 mg/mL by Refractometry
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot Results of Goat Anti-Human IgG F(c) Antibody.
 Lane 1: Opal Prestained Molecular Weight (p/n MB-210-0500).

Lane 2: Human F(c) (p/n 009-0103) [0.01 μ g].

Lane 3: Human IgG whole molecule (p/n 009-0102) [0.01 μ g].

Lane 4: Human F(ab')₂ (009-0104) [0.01 μ g].

Primary Antibody: Anti-Human F(c) (GOAT) Antibody at 1:1000 at 2-8°C overnight.

Secondary Antibody: Donkey Anti-Goat IgG HRP (p/n 605-703-125) at 1:40,000 for 30 mins at RT.

Blocking: BlockOut Blocking buffer (p/n MB-073) for 1hr at RT.

Expected MW: ~26kDa F(c).

References

- Yildiz CB et al. EphrinA5 regulates cell motility by modulating Snhg15/DNA triplex-dependent targeting of DNMT1 to the Ncam1 promoter. *Epigenetics Chromatin*. (2023)

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.