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Datasheet for 609-4103

Human IgG Fc Antibody

Overview

Description:	Rabbit Anti-Human IgG Fc Antibody - 609-4103
Item No.:	609-4103
Size:	5 mg
Applications:	ELISA, WB, FC, IP
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Anti-Human IgG F(c) generated in rabbit 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:	Human IgG F(c) Antibody, Human IgG Fc Antibody, Rb-a-Human IgG Fc, Human IgG F(c) Antibody in Rabbit, rabbit anti-human IgG F(c) Secondary Antibody
Host Species:	Rabbit
Specificity:	IgG Fc
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Human
Immunogen Type:	Native Protein

Immunogen:	Anti-Human IgG F(c) fragment was produced by repeated immunization with Human IgG F(c) fragment in rabbit.
Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Human 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-Rabbit Serum, Human IgG, Human IgG F(c) and Human Serum. No reaction was observed against Human IgG F(ab).

Application Details

Tested Applications:	ELISA, WB
Suggested Applications:	FC, IP (Based on references)
Application Note:	Anti-Human IgG F(c) fragment has been tested by western blot and is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:26,000-1:46,000
IHC:	1:1,000 - 1:6,000
WB:	1:3,000 - 1:30,000

Formulation

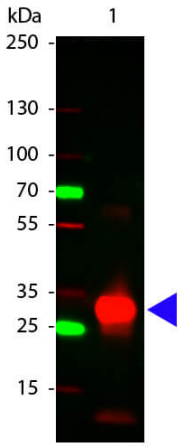
Physical State:	Liquid (sterile filtered)
Concentration:	5.10 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

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



Western Blot
Western Blot of Rabbit anti-Human Fc antibody. Lane 1: Human Fc (p/n 009-0103). Lane 2: none. Load: 100 ng per lane. Primary antibody: Human Fc antibody at 1:1,000 for overnight at 4°C. Secondary antibody: DyLight™ 649 rabbit 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 Human Fc. Other band(s): Human Fc splice variants and isoforms.

References

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