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

Datasheet for 605-4103

# Goat IgG Fc Antibody

## Overview

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|---|---|
| **Description:** | Rabbit Anti-Goat IgG Fc Antibody - 605-4103 |
| **Item No.:** | 605-4103 |
| **Size:** | 2 mg |
| **Applications:** | ELISA |
| **Reactivity:** | Goat |
| **Host Species:** | Rabbit |

## Product Details

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

## Target Details

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| **Reactivity:** | Goat |
| **Immunogen:** | Goat IgG F(c) fragment |
| **Purity/Specificity:** | This product was prepared from monospecific antiserum by immunoaffinity chromatography using Goat 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, Goat IgG, Goat IgG F(c) and Goat Serum. No reaction was observed against Goat IgG F(ab). |

## Application Details

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| **Tested Applications:** | ELISA |
| **Application Note:** | Anti-Goat IgG F(c) antibody has been tested by ELISA and is suitable for western blot and immunohistochemistry, as well as other assays requiring lot-to-lot consistency. |
| **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

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| **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

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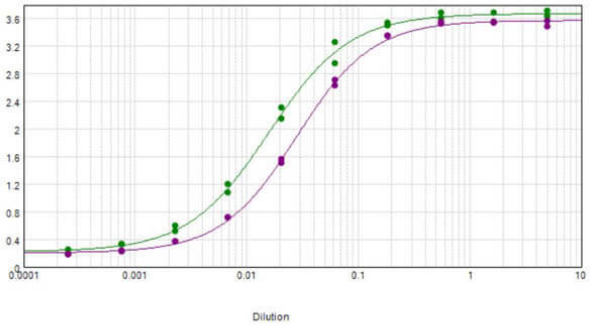
| **Shipping Condition:** | Wet Ice |
| **Storage Condition:** | Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. |
| **Expiration:** | Expiration date is one (1) year from date of receipt. |

## Images




**ELISA**

ELISA results of purified Rabbit Anti-Goat IgG F(c) Antibody tested against purified Goat IgG F(c) (purple line), Goat IgG (green line). Each well was coated in duplicate with 1.0 µg. 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 MB-060-1000, Dky Anti-Rabbit HRP 611-703-127, and TMB-1000 substrate.

## Disclaimer