

Datasheet for 611-1124

Rabbit IgG F(ab')₂ Antibody Pre-Adsorbed**Overview**

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| Description: | Goat Anti-Rabbit IgG F(ab') ₂ Antibody (Min X Human Serum Proteins) - 611-1124 |
| Item No.: | 611-1124 |
| Size: | 5 mg |
| Applications: | Dot Blot, ELISA |
| Reactivity: | Rabbit |
| Host Species: | Goat |

Product Details

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| Background: | Anti-Rabbit IgG F(ab') ₂ Antibody generated in goat recognizes the dimeric Fab portion of the rabbit IgG molecule. Rabbit IgG F(ab') ₂ is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH. F(ab') ₂ molecules lack the Fc portion of IgG and therefore receptors that bind rabbit IgG F(c) will not bind rabbit IgG F(ab') ₂ molecules. 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. |
| Synonyms: | goat anti Rabbit IgG F(ab') ₂ Antibody, goat anti Rabbit IgG Fab ₂ Antibody, goat anti-Rabbit IgG F(ab') ₂ Antibody, goat anti-Rabbit IgG Fab ₂ Antibody |
| Host Species: | Goat |
| Specificity: | IgG F(ab') ₂ |
| Clonality: | Polyclonal |
| Format: | IgG |

Target Details

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| Reactivity: | Rabbit |
| Immunogen: | Rabbit IgG F(ab') ₂ fragment |

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 Antibody, Rabbit IgG, Rabbit IgG F(ab')₂ and Rabbit Serum. No reaction was observed against Rabbit IgG F(c) or Human Serum Proteins.

Application Details

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| Tested Applications: | Dot Blot, ELISA |
| Application Note: | Anti-Rabbit IgG F(ab') ₂ antibody has been tested by ELISA and dot blot. This antibody is suitable for use in ELISA, immunohistochemistry, and western blot. Specific conditions for reactivity 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: | 1:20,000 - 1:100,000 |
| IHC: | 1:1,000 - 1:5,000 |
| WB: | 1:2,000 - 1:10,000 |
| Other: | Product passed repeat testing by IEP on 8/9/12 and formed a single precipitin arc against anti goat serum, rabbit F(ab) ₂ and rabbit IgG. No reaction was observed with rabbit F(c) fragment, as specified for the product. |

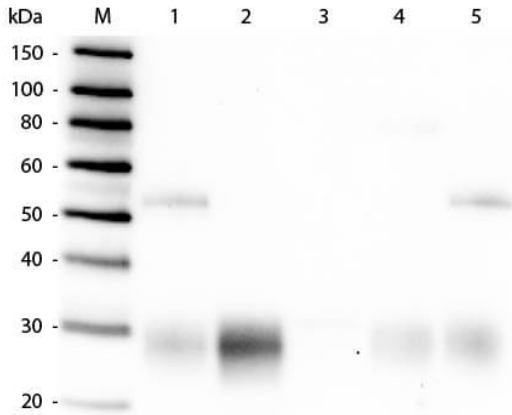
Formulation

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| Physical State: | Liquid (sterile filtered) |
| Concentration: | 5.0 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



Western Blot

Western Blot of Anti-Rabbit IgG F(ab')₂ (GOAT) Antibody (p/n 611-1104). Lane M: 3 μ l 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 per lane. Block: MB-070 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG F(ab')₂ (GOAT) Antibody (p/n 611-1104) 1:10,000 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.

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.