

## Datasheet for 702-403-002

**F(ab')<sub>2</sub> Cat IgG (H&L) Antibody Peroxidase Conjugated****Overview**

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|----------------------|--------------------------------------------------------------------------------------------|
| <b>Description:</b>  | Rabbit F(ab') <sub>2</sub> Anti-Cat IgG (H&L) Antibody Peroxidase Conjugated - 702-403-002 |
| <b>Item No.:</b>     | 702-403-002                                                                                |
| <b>Size:</b>         | 500 µg                                                                                     |
| <b>Applications:</b> | ELISA                                                                                      |
| <b>Reactivity:</b>   | Cat                                                                                        |
| <b>Host Species:</b> | Rabbit                                                                                     |

**Product Details**

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| <b>Background:</b>   | F(ab') <sub>2</sub> Antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment. Because of their smaller size, F(ab') <sub>2</sub> fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab') <sub>2</sub> fragments penetrate tissue samples and show better antigen recognition and signal generation in IHC. F(ab') <sub>2</sub> fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab') <sub>2</sub> Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays. |
| <b>Synonyms:</b>     | Rabbit F(ab') <sub>2</sub> Anti-Cat peroxidase Conjugated Antibody, Rabbit Fab <sub>2</sub> Anti-Cat Antibody peroxidase Conjugation, Rabbit Fab' <sub>2</sub> Anti-Cat Antibody HRP Conjugation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Specificity:</b>  | IgG (H&L)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Conjugate:</b>    | Peroxidase (HRP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Format:</b>       | IgG F(ab') <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Target Details**

|                        |                |
|------------------------|----------------|
| <b>Reactivity:</b>     | Cat            |
| <b>Immunogen Type:</b> | Native Protein |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Immunogen:</b>          | Anti-Cat IgG (H&L) was produced by repeated immunization with Cat IgG whole molecule in rabbit.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity/Specificity:</b> | This product was prepared from monospecific antiserum by immunoaffinity chromatography using Cat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Cat IgG and Cat Serum. No reaction was observed against anti-Pepsin or anti-Rabbit IgG F(c). |

## Application Details

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| <b>Tested Applications:</b> | ELISA                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Application Note:</b>    | F(ab') <sub>2</sub> anti-Cat IgG Peroxidase conjugated Antibody has been tested by ELISA and is assayed against 1.0 ug of Cat 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. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                                 |
| <b>ELISA:</b>               | 1:100,000                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>IHC:</b>                 | 1:500 - 1:5,000                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>WB:</b>                  | 1:5,000 - 1:100,000                                                                                                                                                                                                                                                                                                                                                                                             |

## Formulation

|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                            |
| <b>Concentration:</b>         | 1.0 mg/mL by UV absorbance at 280 nm                                   |
| <b>Buffer:</b>                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2             |
| <b>Preservative:</b>          | 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!               |
| <b>Stabilizer:</b>            | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| <b>Reconstitution Volume:</b> | 500 µL                                                                 |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)                           |

## Shipping & Handling

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| <b>Shipping Condition:</b> | 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.

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**Expiration:** Expiration date is one (1) year from date of receipt.

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## 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.