

## Datasheet for 720-109-440

**F(Ab')<sub>2</sub> Hamster IgG (H&L) Antibody Texas Red™ Conjugated Pre-Adsorbed****Overview**

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| <b>Description:</b>  | Goat F(ab') <sub>2</sub> Anti-Golden Syrian & Armenian Hamster IgG (H&L) Antibody Texas Red™ Conjugated (Min X MOUSE and RAT Serum Proteins) - 720-109-440 |
| <b>Item No.:</b>     | 720-109-440                                                                                                                                                |
| <b>Size:</b>         | 500 µg                                                                                                                                                     |
| <b>Applications:</b> | Dot Blot                                                                                                                                                   |
| <b>Reactivity:</b>   | Armenian Hamster, Golden Syrian Hamster                                                                                                                    |
| <b>Host Species:</b> | Goat                                                                                                                                                       |

**Product Details**

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| <b>Background:</b>   | F(ab') <sub>2</sub> Anti-Golden Syrian & Armenian Hamster IgG Texas Red 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>     | Goat F(ab') <sub>2</sub> Anti-Hamster IgG Antibody Texas Red™ Conjugation, Goat Fab <sub>2</sub> Anti-Hamster IgG Texas Red™ Conjugated Antibody, Goat F(ab') <sub>2</sub> Anti-Golden Syrian & Armenian Hamster IgG Antibody Texas Red™ Conjugation, Goat Fab <sub>2</sub> Anti-Golden Syrian & Armenian Hamster IgG Texas Red™ Conjugated Antibody                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Host Species:</b> | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Specificity:</b>  | IgG (H&L)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Conjugate:</b>    | Texas Red®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Format:</b>       | IgG F(ab') <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>F/P Ratio:</b>    | 2.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Target Details

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| <b>Reactivity:</b>         | Armenian Hamster, Golden Syrian Hamster                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen:</b>          | Golden Syrian and Armenian Hamster IgG whole molecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity/Specificity:</b> | This product was prepared from monospecific antiserum by immunoaffinity chromatography using Golden Syrian and Armenian Hamster 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-Goat Serum, Golden Syrian and Armenian Hamster IgG and Golden Syrian and Armenian Hamster Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c) and Mouse or Rat Serum Proteins. |

## Application Details

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| <b>Tested Applications:</b> | Dot Blot                                                                                                                                                                                                                                                                                                                                                              |
| <b>Application Note:</b>    | F(ab') <sub>2</sub> Anti-Golden Syrian & Armenian Hamster IgG Texas Red Antibody has been tested by dot blot and 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. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                       |

## Formulation

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|-------------------------------|------------------------------------------------------------------------|
| <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) 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 |
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**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.