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Datasheet for 001-0051

# Bovine IgG F(ab')2 Agarose

## Overview

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| **Description:** | Bovine IgG F(ab')2 Fragment Agarose Conjugated - 001-0051 |
| **Item No.:** | 001-0051 |
| **Size:** | 5 mg |
| **Origin:** | Bovine |

## Product Details

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| **Background:** | Bovine IgG F(ab')2 Fragment Agarose Conjugated is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH. Bovine IgG F(ab')2 molecules lack the Fc portion of Bovine IgG and therefore receptors that bind Bovine IgG Fc will not bind Bovine IgG F(ab')2 molecules. This product possesses the F(ab')2 fragment, recognized by the two F(ab) fragments yielded from the digestion of the antibody below the disulfide bond hinge region followed by agarose conjugation. |
| **Synonyms:** | Bovine IgG F(ab')2 fragment Agarose Conjugate, Bovine IgG Fab2 Agarose |
| **Species of Origin:** | Bovine |
| **Conjugate:** | Agarose |
| **Format:** | IgG F(ab')2 |
| **Type:** | Native Protein |

## Target Details

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| **Purity/Specificity:** | This product is purified Bovine IgG F(ab')2 isolated from normal Bovine Serum and then digested by the enzyme pepsin followed by subsequent chromatographic separation and coupling to activated agarose. Sufficient antibody capacity is provided to bind a minimum of 5.0 mg of anti-Bovine IgG. |

## Application Details

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| **Application Note:** | Bovine IgG F(ab')2 Agarose is suitable for immunoprecipitation and Immunoaffinity purifications. |

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| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **IP:** | User Optimized |

## Formulation

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| **Physical State:** | Suspension of agarose beads |
| **Concentration:** | 0.5 mg/cc agarose antibody per cc agarose |
| **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. DO NOT FREEZE. |
| **Expiration:** | Expiration date is one (1) year from date of receipt. |

## 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.

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