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Datasheet for 003-0051

Chicken IgG F(ab')2 Agarose

Overview

Description:	Chicken IgG F(ab')2 Fragment Agarose Conjugated - 003-0051
Item No.:	003-0051
Size:	5 mg
Applications:	SDS-PAGE
Origin:	Chicken

Product Details

Background:	Chicken 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. Chicken IgG F(ab')2 molecules lack the Fc portion of Chicken IgG and therefore receptors that bind Chicken IgG Fc will not bind Chicken 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:	Chicken IgG/IgY F(ab')2 fragment Agarose Conjugate, Chicken IgG/IgY Fab2 Agarose
Species of Origin:	Chicken
Conjugate:	Agarose
Format:	IgG F(ab')2
Type:	Native Protein

Target Details

Purity/Specificity:	This product is an purified Chicken IgG isolated from normal Chicken Serum digested by the enzyme pepsin and purified by chromatography coupled to activated agarose. Sufficient antibody capacity is provided to bind a minimum of 5 mg of anti-Chicken IgG.

Application Details

Tested Applications:	SDS-PAGE

Application Note:	Chicken IgG F(ab')2 Agarose has been tested by SDS-PAGE and is suitable for immunoprecipitation and Immunoaffinity purifications.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IP:	User Optimized

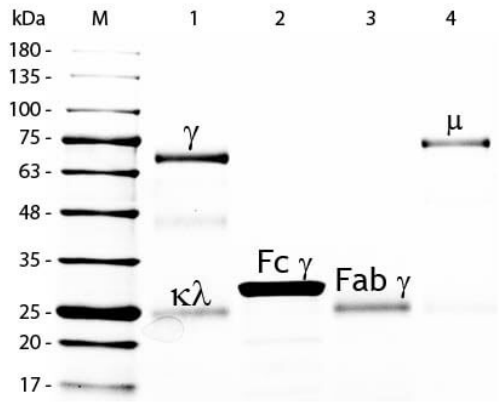
Formulation

Physical State:	Suspension of agarose beads
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.5% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

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.

Images



SDS-PAGE
SDS-PAGE of Chicken IgG/IgY Whole Molecule Rhodamine Conjugated (p/n 003-0002). Lane M: 5 µL Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Chicken IgG Whole Molecule Rhodamine Conjugated (p/n 003-0002). Lane 2: Reduced Chicken IgG F(c) Fragment (p/n 003-0103). Lane 3: Reduced Chicken IgG Fab Fragment (p/n 003-0105). Lane 4: Reduced Chicken IgM Whole Molecule (p/n 003-0107). Load: 1 µg per lane. Predicted/Observed size: IgG at 72 and 25 kDa; F(c) at 25 kDa; Fab at 25 kDa; IgM at 75 kDa. Observed F(c) Fragment migrates slightly higher. Other bands: Chicken IgG heavy chain alternative splicing variant at approximately 40 kDa in Lane 1.

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.