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Datasheet for 012-0051

Rat IgG F(ab')2 Agarose

Overview

Description:	Rat IgG F(ab')2 Fragment Agarose Conjugated - 012-0051
Item No.:	012-0051
Size:	5 mg
Origin:	Rat

Product Details

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

Target Details

Purity/Specificity:	This product is an purified Rat IgG isolated from normal Rat Serum digested by the enzyme pepsin and purified by chromatography coupled to activated agarose. Sufficient antibody capacity is provided to bind a minimum of 5.0 of anti-Rat IgG.

Application Details

Application Note:	Rat IgG F(ab')2 Agarose 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

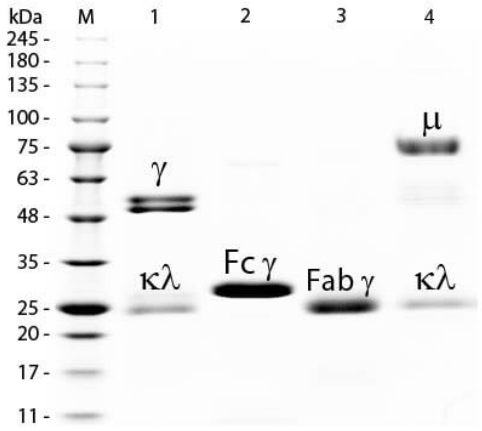
Formulation

Physical State:	Suspension of agarose beads
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (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 Rat IgG F(c) Fragment Rhodamine Conjugated (p/n 012-0003). Lane M: 3 µL Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Rat IgG Whole Molecule (p/n 012-0102). Lane 2: Reduced Rat IgG F(c) Fragment Rhodamine Conjugated (p/n 012-0003). Lane 3: Reduced Rat IgG Fab Fragment (p/n 012-0105). Lane 4: Reduced Rat IgM Whole Molecule (p/n 012-0107). Load: 1 µg of IgG, F(c), Fab; 1.5 µg of IgM. Predicted/Observed size: IgG at 55 and 25 kDa; F(c) at 25 kDa; Fab at 25 kDa; IgM at 78 and 25 kDa. Observed F(c) Fragment 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.