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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 005-0051

Goat IgG F(ab')2 Agarose

Overview

Description:	Goat IgG F(ab')2 Fragment Agarose Conjugated - 005-0051
Item No.:	005-0051
Size:	5 mg
Applications:	SDS-PAGE
Origin:	Goat

Product Details

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

Target Details

Purity/Specificity:	This product is an purified Goat IgG isolated from normal Goat 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 mg of anti-Goat IgG.

Application Details

Tested Applications:	SDS-PAGE

Application Note:	Goat 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

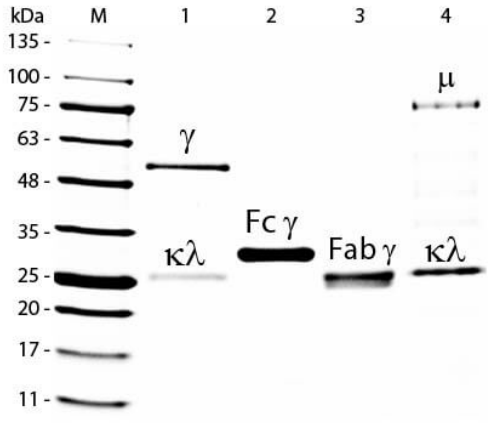
Formulation

Physical State:	Suspension of agarose beads
Buffer:	0.02 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 Goat IgG Whole Molecule Rhodamine Conjugated (p/n 005-0002). Lane M: 5 µL Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Goat IgG Whole Molecule Rhodamine Conjugated (p/n 005-0002). Lane 2: Reduced Goat IgG F(c) Fragment (p/n 005-0103). Lane 3: Reduced Goat IgG F(ab) Fragment (p/n 005-0105). Lane 4: Reduced Goat IgM Whole Molecule (p/n 005-0107). Load: 1 µg for IgG, F(c) and F(ab); 3 µg for IgM. Predicted/Observed size: IgG at 50 and 25 kDa; F(c) at 25 kDa; F(ab) at 25 kDa; IgM at 70 and 23 kDa. Observed F(c) Fragment migrates slightly higher.

Disclaimer

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