Order online now!

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

Datasheet for 012-0104-0002

Rat IgG F(ab')2

Overview

Description:	Rat IgG F(ab')2 Fragment - 012-0104-0002
Item No.:	012-0104-0002
Size:	2 mg
Applications:	SDS-PAGE
Origin:	Rat

Product Details

Background:	Rat IgG F(ab')2 Fragment 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.
Synonyms:	Rat IgG F(ab')2 fragment, Rat IgG Fab2 fragment
Species of Origin:	Rat
Format:	IgG F(ab')2
Type:	Native Protein

Target Details

Purity/Specificity:	This product was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by pepsin digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rat IgG, anti-Rat IgG F(ab')2 and anti-Rat Serum. No reaction was observed against anti-Rat IgG F(c) or anti-Pepsin.

Application Details

Tested Applications:	SDS-PAGE

Application Note:	Rat IgG F(ab')2 Fragment has been tested in SDS-Page and are ideal for ELISA, western blotting, Immunohistochemistry, as well as other antibody detection methods.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

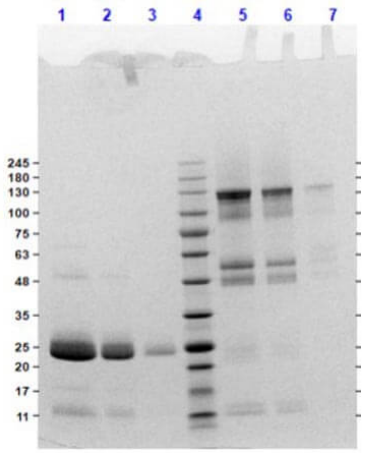
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	2.0 mg/mL by UV absorbance at 280 nm
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. This product is stable 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



SDS-PAGE
SDS-PAGE Results of Rat F(ab')2 fragment (p/n 012-0104).
Lane 1: Rat F(ab')2 Reduced 10µg.
Lane 2: Rat F(ab')2 Reduced 5µg.
Lane 3: Rat F(ab')2 Reduced 1µg.
Lane 4: Opal Prestained Molecular Weight Marker (p/n MB-210-0500).
Lane 5: Rat F(ab')2 Non-Reduced 10µg.
Lane 6: Rat F(ab')2 Non-Reduced 5µg.
Lane 7: Rat F(ab')2 Non-Reduced 1µg.
4-20% Gel, Coomassie stained.

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

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.