Order online now!

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

Datasheet for 312-4304

F(ab')2 Rat IgG F(ab')2 Antibody Peroxidase Conjugated

Overview

Description:	Rabbit F(ab')2 Anti-Rat IgG F(ab')2 Antibody Peroxidase Conjugated - 312-4304
Item No.:	312-4304
Size:	20 mg
Reactivity:	Rat
Host Species:	Rabbit

Product Details

Background:	F(ab')2 Anti-Rat IgG F(ab')2 Peroxidase Antibody generated in rabbit detects Rat F(ab')2. Representing approximately 75% of serum immunoglobulins, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. F(ab')2 Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.
Synonyms:	rabbit F(ab')2 anti-Rat IgG F(ab')2 peroxidase Conjugated Antibody, rabbit F(ab')2 anti-Rat IgG F (ab')2 HRP Conjugated Antibody
Host Species:	Rabbit
Specificity:	IgG F(ab')2
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG F(ab')2

Target Details

Reactivity:	Rat
Immunogen:	Rat IgG F(ab')2 fragment

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

Application Details

Application Note:	F(ab')2 Anti-Rat IgG F(ab')2 Peroxidase Antibody reagents are ideal for ELISA, western blotting, Immunohistochemistry, Fluorescence Microscopy, Flow Cytometry 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.
ELISA:	1:10,000 - 1:50,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:10,000

Formulation

Physical State:	Lyophilized
Concentration:	10 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) Gentamicin Sulfate. Do NOT add Sodium Azide!
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

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.