

Datasheet for 712-1322**F(ab')₂ Rat IgG Fc Antibody Peroxidase Conjugated Pre-Adsorbed****Overview**

Description:	Goat F(ab') ₂ Anti-Rat IgG Fc Antibody Peroxidase Conjugated (Min X Bv Hs & Hu Serum Proteins) - 712-1322
Item No.:	712-1322
Size:	500 µg
Applications:	ELISA, IHC, Other
Reactivity:	Rat
Host Species:	Goat

Product Details

Background:	F(ab') ₂ Anti-Rat IgG F(c) Peroxidase Antibody was generated in goat and detects specifically Rat IgG F(c). 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.
Synonyms:	Goat F(ab') ₂ Anti-Rat IgG F(c) Peroxidase Conjugated Antibody, Goat Fab2 Anti-Rat IgG Fc Antibody HRP Conjugation
Host Species:	Goat
Specificity:	IgG Fc
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG F(ab') ₂

Target Details

Reactivity:	Rat
Immunogen:	Rat IgG F(c) fragment

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Rat IgG, Rat IgG F(c) and Rat Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c), Rat IgG F(ab) or Bovine, Horse, Human Serum Proteins.
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Application Details

Tested Applications:	ELISA
Suggested Applications:	IHC, Other (Based on references)
Application Note:	F(ab') ₂ Anti-Rat IgG F(c) Peroxidase Antibody has been tested by ELISA and is assayed against 1.0 ug of Rat IgG in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:200,000 of the reconstitution concentration is suggested for this product for ELISA and Western blots and a 1:500 to 1:5,000 for immunohistochemistry on tissue sections.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:50,000 - 1:100,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:10,000

Formulation

Physical State:	Lyophilized
Concentration:	1.0 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) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	500 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

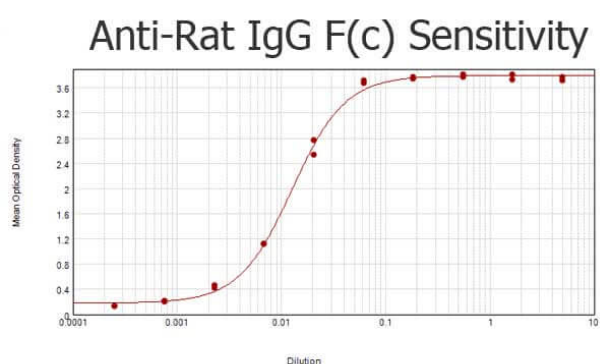
Shipping & Handling

Shipping Condition:	Ambient
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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.

Images



ELISA

ELISA results of purified F(ab')₂ Goat anti-Rat IgG F(c) antibody Peroxidase Conjugated Min x Bv, Hs, & Hu serum proteins tested against purified Rat IgG F(c). Each well was coated in duplicate with 1.0 µg of Rat IgG F(c) (p/n 012-0103). The starting dilution of antibody was 5µg/ml and the X-axis represents the Log₁₀ of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC₅₀ is defined as the titer of the antibody. Assay performed using 3% fish gelatin as blocking buffer and TMB substrate p/n TMBE-1000.

References

- Alliot F et al. Brain parenchyma vessels and the angiotensin system. *Brain Res.* (1999)
- Alliot F et al. Pericytes and periendothelial cells of brain parenchyma vessels co-express aminopeptidase N, aminopeptidase A, and nestin. *J Neurosci Res.* (1999)

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.