



# SZABO SCANDIC

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## Produktinformation



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Diagnostik & molekulare Diagnostik



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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**Datasheet for 709-1317****F(ab')<sub>2</sub> Human IgG Fc Antibody Peroxidase Conjugated Pre-Adsorbed****Overview**

<b>Description:</b>	Goat F(ab') <sub>2</sub> Anti-Human IgG Fc Antibody Peroxidase Conjugated (Min X Bv Hs Ms & Rt Serum Proteins) - 709-1317
<b>Item No.:</b>	709-1317
<b>Size:</b>	500 µg
<b>Applications:</b>	ELISA, WB
<b>Reactivity:</b>	Human
<b>Host Species:</b>	Goat

**Product Details**

<b>Background:</b>	F(ab') <sub>2</sub> Anti-Human IgG F(c) Peroxidase Antibody generated in goat detects Human F(c). Representing approximately 75% of serum immunoglobulins in humans, 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(c) Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.
<b>Synonyms:</b>	Goat F(ab') <sub>2</sub> Anti-Human IgG F(c) Peroxidase Conjugated Pre-Adsorbed Antibody, Goat Fab2 Anti-Human IgG Fc Fragment Peroxidase Conjugated Antibody, Goat F(ab') <sub>2</sub> Anti-Human IgG F(c) Fragment Antibody HRP Conjugated
<b>Host Species:</b>	Goat
<b>Specificity:</b>	IgG Fc
<b>Conjugate:</b>	Peroxidase (HRP)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG F(ab') <sub>2</sub>

**Target Details**

<b>Reactivity:</b>	Human
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<b>Immunogen Type:</b>	Native Protein
<b>Immunogen:</b>	Human IgG F(c) fragment
<b>Purity/Specificity:</b>	F(ab') <sub>2</sub> Anti-Human IgG Fc was prepared from monospecific antiserum by immunoaffinity chromatography using Human 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, Human IgG, Human IgG F(c) and Human Serum. No reaction was observed against anti-Pepsin, anti-Goat IgG F(c), Human IgG F(ab) or Bovine, Horse, Mouse and Rat Serum Proteins.

## Application Details

<b>Tested Applications:</b>	ELISA
<b>Suggested Applications:</b>	WB (Based on references)
<b>Application Note:</b>	F(ab') <sub>2</sub> Anti-Human IgG F(c) Peroxidase Antibody has been tested by ELISA and is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:130,000
<b>IHC:</b>	1:500 - 1:2,500
<b>WB:</b>	1:1,000 - 1:5,000

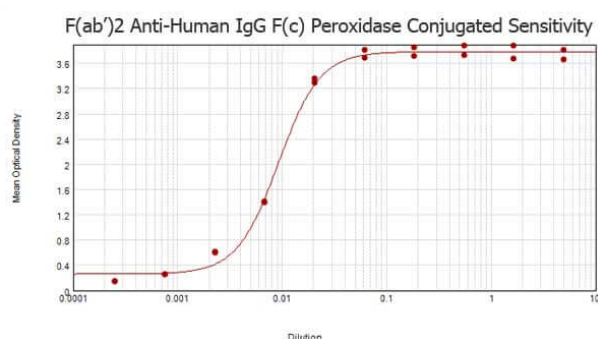
## Formulation

<b>Physical State:</b>	Lyophilized
<b>Concentration:</b>	1.0 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
<b>Stabilizer:</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
<b>Reconstitution Volume:</b>	500 µL
<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)

## Shipping & Handling

<b>Shipping Condition:</b>	Ambient
<b>Storage Condition:</b>	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.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Images



### ELISA

ELISA results of purified F(ab')<sub>2</sub> Goat anti-Human IgG F(c) Antibody Peroxidase Conjugated min x Bv, Hs, Ms, ant Rt serum proteins tested against purified Human IgG F(c). Each well was coated in duplicate with 1.0 µg of Human IgG F(c) (p/n 009-0103). 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

- McSweeney MD et al. Stable nebulization and muco-trapping properties of regdanvimab/IN-006 support its development as a potent, dose-saving inhaled therapy for COVID-19. *Bioeng Transl Med.* (2022)
- Watanabe N et al. A pull-down and slot blot-based screening system for inhibitor compounds of the podoplanin-CLEC-2 interaction. *PLoS One.* (2019)
- Newby et al. A blueprint for robust crosslinking of mobile species in biogels with weakly adhesive molecular anchors. *Nature Communications* (2017)
- McCallen J et al. Cross-reactivity of select PEG-binding antibodies to other polymers containing a CCO backbone. *ACS Biomater Sci Eng.* (2017)
- Yang Q et al. Analysis of pre-existing IgG and IgM antibodies against polyethylene glycol (PEG) in the general population. *Anal Chem.* (2016)

## 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.