

Datasheet for 610-1304**Mouse IgG F(ab')₂ Antibody Peroxidase Conjugated****Overview**

Description:	Goat Anti-Mouse IgG F(ab') ₂ Antibody Peroxidase Conjugated - 610-1304
Item No.:	610-1304
Size:	2 mg
Applications:	ELISA
Reactivity:	Mouse
Host Species:	Goat

Product Details

Background:	MOUSE IgG F(ab') ₂ (GOAT) Antibody is generated in goat detects specifically Mouse IgG F(ab') ₂ fragment. This secondary antibody anti-Mouse is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays. Anti-Mouse IgG F(ab') ₂ antibody is ideal for investigators involved in serum protein component research.
Synonyms:	Goat Anti-Mouse IgG F(ab') ₂ peroxidase Conjugated Antibody, Goat Anti-Mouse IgG Fab2 peroxidase Conjugated Antibody, Goat Anti-Mouse IgG Fab2 Fragment Antibody HRP Conjugation
Host Species:	Goat
Specificity:	IgG F(ab') ₂
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Purity/Specificity:	Anti-MOUSE IgG F(ab') ₂ (GOAT) Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Mouse IgG, Mouse IgG F(ab') ₂ and Mouse Serum. No reaction was observed against Mouse IgG F(c).
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Application Details

Tested Applications:	ELISA
Application Note:	Anti-MOUSE IgG F(ab') ₂ Peroxidase Conjugated 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.
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 - 1:5,000

Formulation

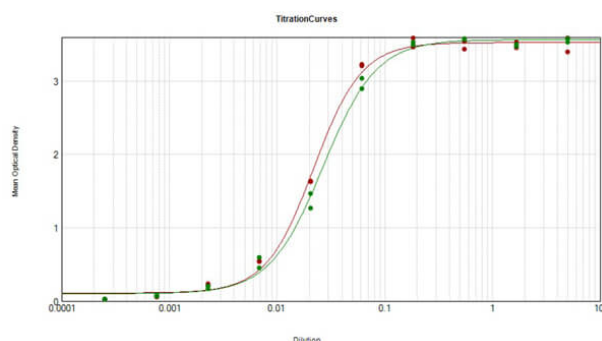
Physical State:	Lyophilized
Concentration:	2.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 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.

Images



ELISA

ELISA Results of Goat Anti-Mouse IgG F(ab')₂ Antibody Peroxidase Conjugated tested against purified Mouse IgG F(ab')₂. Each well was coated in duplicate with 1.0 µg of Mouse IgG (p/n 010-0102) [Red Line], Mouse IgG F(ab')₂ (p/n 010-0104) [Green Line]. The working dilution is 1:38,000. 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 HRP Conjugate Stabilizer (p/n MB-076) and TMB substrate (p/n TMBE-1000).

References

- Puhler F et al. Generation of a recombinant oncolytic Newcastle disease virus and expression of a full IgG antibody from two transgenes. *Gene Ther.* (2008)

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.