



## Anti-HUMAN IgG F(ab')<sub>2</sub> (RABBIT) Antibody Peroxidase Conjugated (Min X MOUSE Serum Proteins) - 609-4318

**Code:** 609-4318

**Size:** 1 mg

**Product Description:** Anti-HUMAN IgG F(ab')<sub>2</sub> (RABBIT) Antibody Peroxidase Conjugated (Min X MOUSE Serum Proteins) - 609-4318

**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Lyophilized

<b>Label</b>	Peroxidase (Horseradish)
<b>Host</b>	Rabbit
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Reconstitution Volume</b>	1.0 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
<b>Preservative</b>	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
<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>Synonyms</b>	rabbit Anti-Human IgG Fab <sub>2</sub> Antibody peroxidase Conjugated, Rabbit Anti-Human IgG F(ab') <sub>2</sub> Antibody peroxidase Conjugated, Rabbit Anti-Human IgG Fab <sub>2</sub> Fragment Antibody HRP Conjugated
<b>Application Note</b>	Anti-Human IgG F(ab') <sub>2</sub> antibody has been assayed against 1.0 ug of Human IgG in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:8,500 to 1:72,000 of the reconstitution concentration is suggested for this product. This product is also suitable for Western Blot and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user.
<b>Background</b>	Anti-Human IgG F(ab') <sub>2</sub> Peroxidase Antibody generated in rabbit recognizes the dimeric Fab portion of the human IgG molecule. Human IgG F(ab') <sub>2</sub> is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH. F(ab') <sub>2</sub> molecules lack the Fc portion of IgG and therefore receptors that bind human IgG F(c) will not bind human IgG F(ab') <sub>2</sub> molecules. 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.
<b>Purity And Specificity</b>	Anti-Human IgG F(ab') <sub>2</sub> antibody 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. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Human IgG, Human IgG F(ab') <sub>2</sub> and Human Serum. No reaction was observed against Human IgG F(c) or Mouse Serum Proteins.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:10,000 - 1:50,000
<b>Western Blot</b>	1:1,000 - 1:10,000
<b>Immunohistochemistry</b>	1:500 - 1:2,500
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	Human IgG F(ab') <sub>2</sub> fragment
<b>Related Products</b>	

610-4302

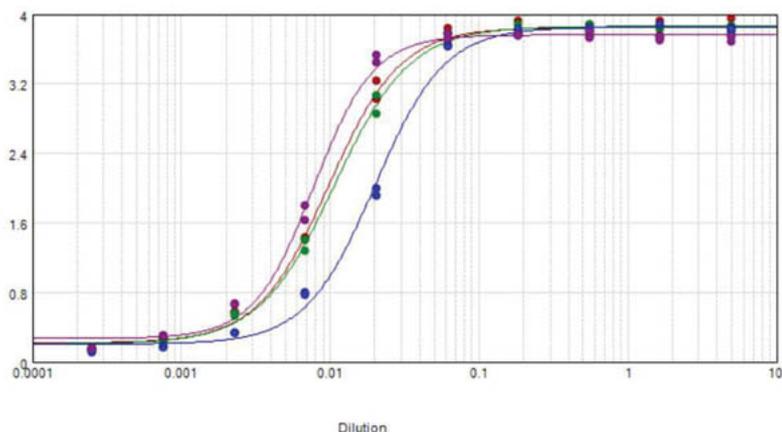
Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302

611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304
BSA-50	BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50

## Images

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ELISA results of purified Rabbit Anti-Human IgG F(ab')<sub>2</sub> Peroxidase Conjugated Antibody tested against purified Human IgG F(ab')<sub>2</sub>. Each well was coated in duplicate with 1.0 µg of Human IgG F(ab')<sub>2</sub> (blue line). The starting dilution of antibody was 5 µg/ml and the X-axis represents the Log<sub>10</sub> of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC<sub>50</sub> is defined as the titer of the antibody. Assay performed using TMB-1000 substrate.



## Disclaimer

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