



Anti-HUMAN IgG F(ab')₂ (RABBIT) Antibody Peroxidase Conjugated - 609-4304

Code: 609-4304

Size: 2 mg

Product Description: Anti-HUMAN IgG F(ab')₂ (RABBIT) Antibody Peroxidase Conjugated - 609-4304

Concentration: 2.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Lyophilized

Label	Peroxidase (Horseradish)
Host	Rabbit
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
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.
Synonyms	rabbit Anti-Human IgG Fab ₂ Antibody peroxidase Conjugated, Rabbit Anti-Human IgG F(ab') ₂ Antibody peroxidase Conjugated, Rabbit Anti-Human IgG Fab ₂ Fragment Antibody HRP Conjugated
Application Note	Anti-Human IgG F(ab') ₂ 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]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for Anti-Human IgG F(ab') ₂ Antibody.
Background	Anti-Human IgG F(ab') ₂ Peroxidase Antibody generated in rabbit recognizes the dimeric Fab portion of the human IgG molecule. Human IgG F(ab') ₂ 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') ₂ molecules lack the Fc portion of IgG and therefore receptors that bind human IgG F(c) will not bind human IgG F(ab') ₂ 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. Anti-Human IgG F(ab') ₂ antibody is ideal for investigators in Cancer, Immunology, and Microbiology research.
Purity And Specificity	Anti-Human IgG F(ab') ₂ 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') ₂ and Human Serum. No reaction was observed against Human IgG F(c).
Assay Dilutions	User Optimized
ELISA	1:10,000 - 1:50,000
Western Blot	1:1,000 - 1:10,000
Immunohistochemistry	1:500 - 1:2,500
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Human IgG F(ab') ₂ fragment
General Reference	Janeway, Jr., Travers, Walport, and Shlomchik. "The Immune System in Health and Disease." Immunobiology, 5th Edition: Garland Science: 2001.

Related Products

609-4302 Anti-HUMAN IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 609-4302

609-4303	Anti-HUMAN IgG F(c) (RABBIT) Antibody Peroxidase Conjugated - 609-4303
609-4306	Anti-HUMAN IgA (alpha chain) (RABBIT) Antibody Peroxidase Conjugated - 609-4306
609-4312	Anti-HUMAN IgG (gamma chain) (RABBIT) Antibody Peroxidase Conjugated - 609-4312

Disclaimer

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