

Datasheet for ABIN965105

**Goat anti-Human IgG (Fc Region) Antibody (HRP)**[1 Image](#)[1 Publication](#)[Go to Product page](#)

## Overview

Quantity:	500 µg
Target:	IgG
Binding Specificity:	Fc Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	HRP
Application:	ELISA, Western Blotting (WB)

## Product Details

Immunogen:	Human IgG F(c) fragment Immunogen Type: Native Protein
Fragment:	F(ab') <sub>2</sub> fragment
Specificity:	F(ab') <sub>2</sub> Anti-Human IgG Fc Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Human IgG, Human IgG F(c) and Human Serum.
Characteristics:	<p>F(ab')<sub>2</sub> Anti-Human F(c) antibody was generated in goat and detects specifically Human IgG F(c) fragment. This secondary antibody anti-Human is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays.</p> <p>The antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Human IgG coupled to agarose beads followed by solid phase adsorption(s) to remove</p>

## Product Details

---

any unwanted reactivities, pepsin digestion and chromatographic separation.

Purification: Immunoaffinity Chromatography.

## Target Details

---

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: F(ab')<sub>2</sub> Human Antibody, Gt-a-Human Fc, Human IgG Fc antibody in Goat, F(ab')<sub>2</sub> Human Secondary Antibody,

## Application Details

---

Application Notes: F(ab')<sub>2</sub> Anti-Human Fc antibody 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.

Restrictions: For Research Use only

## Handling

---

Format: Lyophilized

Reconstitution: Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 500  $\mu$ L

Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

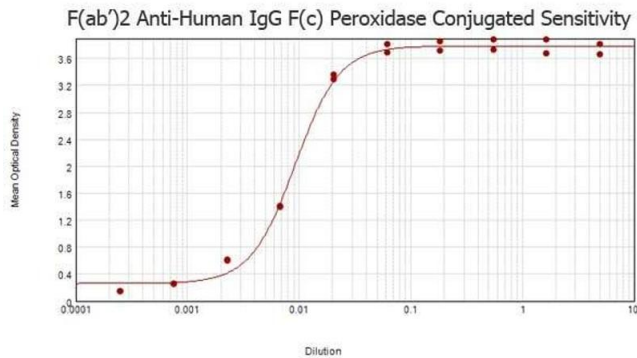
Preservative: Gentamicin sulfate

Handling Advice: Avoid repeated freezing and thawing. Dilute only prior to immediate use  
Centrifuge product if not completely clear after standing at room temperature.  
Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: 4 °C

Expiry Date: 12 months

Product cited in: Newby, Schiller, Wessler, Edelstein, Forest, Lai: "A blueprint for robust crosslinking of mobile species in biogels with weakly adhesive molecular anchors." in: **Nature communications**, Vol. 8, Issue 1, pp. 833, (2018) ([PubMed](#)).



### ELISA

**Image 1.** 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). The starting dilution of antibody was 5µ g/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 3% fish gelatin as blocking buffer and TMB substrate p/n TMBE-1000.