

## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** W99036P **Lot #:** 68L33615

**Description:** Goat anti Human IgG (Fc)  
F(ab')<sub>2</sub> Fragment Goat Antibody to Human Immunoglobulin G (IgG), Fc Fragment Specific  
Horseradish Peroxidase Conjugated

**Specificity:** Based on immunoelectrophoresis, the antibody reacts with the heavy chains on human IgG but not with the light chains on most human immunoglobulins. No antibody was detected against human IgM, IgA, or against non-immunoglobulin serum proteins. Has been passed through solid phase immunoabsorbent gels to remove antibodies which cross-react with bovine, horse, and mouse serum proteins, but antibodies may cross-react with immunoglobulins from other species. Minimal cross-reaction to Bovine, Horse, and Mouse Serum Proteins.

**Host Animal:** Goat

**Format:** HRP, Lyophilized  
Reconstitute to 0.5 mL with distilled water. Centrifuge product if it is not completely clear after standing for 1-2 hours at room temperature. To judge clarity, draw product into a pasteur pipette.

**Purification:** Isolated from antisera by a combination of pepsin digestion and immunoaffinity chromatography using antigens coupled to agarose beads. Fc fragments and whole IgG molecules have been removed.

**Concentration:** 0.8 mg/mL (prior to lyophilization).

**Buffer:** Lyophilized from 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.6 containing 15 mg/mL BSA.

**Preservative:** None  
**NOTE:** Use of sodium azide as a preservative will substantially inhibit the enzyme activity of horseradish peroxidase.

**Application:** A dilution range of 1:500 - 1:5,000 is suggested for Immunohistochemistry on tissue sections, 1:5,000 - 1:100,000 for ELISA and Western Blots with chromogenic substrates and 1:10,000 - 1:200,000 for Western Blotting with ECL substrates. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Store lyophilized product at 2-8°C. After reconstitution, this product is stable for several weeks at 2-8°C as an undiluted liquid. Prepare working dilution only prior to immediate use. For extended storage after reconstitution, add an equal volume of Glycerol to make a final concentration of 50% Glycerol and store at -20°C, with or without aliquoting. Please note that the concentration of protein and buffer salts will decrease to one-half of the original after the addition of glycerol.

**Safety Note(s):** Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Quality Signature:



29 September 2021

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**