

**Peroxidase Conjugated anti-Human IgG (Fc $\gamma$  fragment specific) Affinity pure Goat anti- (Minimum cross reactivity with bovine, horse and mouse serum proteins)****Catalog number: SA-9020-12**

**Description:** This affinity pure anti-human IgG (Fc  $\gamma$  chain specific) was purified from healthy goat immunized with purified Fc  $\gamma$  chain of human IgG. The immunized serum was delipidated and heat inactivated at 56°C before affinity purification. The purified antibody was treated with pH 2.8 for at least 30 minutes. Peroxidase (HRP) used for conjugation, is a glycoprotein enzyme (MW 44 KDa) isolated from horseradish roots. This enzyme has a hemin prosthetic group and is bound to Ca<sup>++</sup>. Activity is reported using pyrogallol as substrate. Using 2,2'-azino-bis (3-ethylbenzthiazoline-6-sulfonic acid (ABTS). The RZ (Reinheitszahl) is absorbance ratio A430/A275 and is >3.0. The affinity purified antibody was conjugated with HRP by our proprietary method.

**Size:** 1 ml**Antibody Concentration:** 1 mg/ml**Intended Use:** Immunohistochemistry (IHC) Immunocytochemistry (ICC), ELISA, and Western blotting (WB)**Storage:** Storage: 2-8°C**Buffer:** 10 mM phosphate, 200 mM NaCl, pH 7.6, BSA 10 mg/ml and 0.05% Proclin 300**Recommended Dilution:** ELISA 1:25,000-1:400,000

IHC, ICC 1:625-1:5,000

WB using chromogen substrate 1:10,000-1:400,000

WB using ECL substrates 1:25,000-1:1:800,000

*These are guide lines, the optimum dilution should be determined by the individual lab.*

**Caution: Peroxidase reagents are destroyed by sodium azide and should be avoided in all buffers and reagents.**

**Immunogen:** Purified human IgG Fc $\gamma$  fragment

**Antibody specificity:** The antibody was purified on immunoaffinity human IgG column. Using ELISA, this antibody reacts with human IgG and does not react with human IgM or IgA immunoglobulins. This antibody does not cross react with non-immunoglobulin serum proteins. On ELISA this antibody has minimum cross reactivity with bovine, horse and mouse serum proteins; but it may cross-react with IgG from other species.

**Limitation and warranty:** Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

**MSDS:** This product contains 0.05 % sodium azide as a preservative, appropriate care should be taken in handling. National Institute of Occupational Safety and Health has warning that sodium azide can react with lead, copper, brass or solder in the plumbing system and forms hydrazoic acid in acidic condition. Discard with copious amount of water. Avoid skin and eye contact with all laboratory products. Use appropriate lab. gear, lab coat, gloves and safety glasses. Do not ingest any lab. products. This product is not approved for administration in human or animals.

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