

**Peroxidase (HRP) conjugated Anti-Human IgG (H+L), Goat anti-  
(Minimum cross reactivity with bovine, horse, mouse and rabbit serum proteins)**

**Catalog number: SA-9001-12**

**Description:** 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 1:25,000-1:200,000  
IHC, ICC 1:625-1:5,000  
WB using chromogen substrate 1:10,000-1:80,000  
WB using ECL substrates 1:25,000-1:1:200,000

*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.**

**Antibody specificity:** The antibody is purified on immunoaffinity human IgG (H+L) column. Using ELISA, this antibody reacts with human IgG (H+L), heavy and light chains and light chains of other human immunoglobulins. This antibody does not cross react with non-immunoglobulin serum proteins. This antibody has minimum cross reactivity with bovine, horse, mouse and rabbit serum proteins as determined by ELISA. The cross reactivity to other immunoglobulins has not been determined.

Note: This affinity pure anti-human immunoglobulin was purified from healthy goats immunized with purified human IgG (H+L). The immunized serum was delipidated and heat inactivated at 56°C before affinity purification. The purified IgG (H+L) was treated with pH 2.8 for at least 30 minutes

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