

**Peroxidase~ Anti-Mouse IgG (H+L), Goat anti- (Minimum cross reactivity with human, bovine, rabbit and horse serum proteins)**

**Catalog number: SA-8501-12**

**Description:** Peroxidase 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

**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, 150 mM NaCl, pH 7.4, BSA 10 mg/ml, Proclin 300, 05%.

**Recommended Dilution:** ELISA 1:50,000-1:800,000  
IHC, ICC 1:500-1:5,000  
WB using chromogen substrate 1:50,000-1:800,000  
WB using ECL substrates 1:100,000-1:1,000,000

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

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

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

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