

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

Catalog number: SA-8701-12

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⁺⁺. 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: 0.5 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 1:25,000-1:100,000
IHC, ICC 1:500-1:4,000
WB using chromogen substrate 1:10,000-1:80,000
WB using ECL substrates 1:25,000-1:120,000

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 goat IgG (H+L) column. Using ELISA, this antibody reacts with goat IgG (H+L), heavy and light chains and light chains of other goat immunoglobulins. This antibody does not cross react with non-immunoglobulin serum proteins. This antibody has minimum cross reactivity with human, bovine and horse serum proteins. The cross reactivity to other immunoglobulin's has not been tested.

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