ImmunoBioScience Corp. (IBSC) *DATA SHEET*

**Peroxidase~ Anti-Goat IgG (H+L), Rabbit anti- (Minimum cross reactivity with human 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 of antibody was conjugated with 1.5 mg of peroxidase.

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**Intended Use**: Immunohistochemistry (IHC) Immunocytchemistry (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 1:25,000-1:1:20,000

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

*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 serum proteins. The cross reactivity to other immunoglobulin’s has not been tested.

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