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## Goat anti-Mouse IgG, HRP-conjugated

**Cat#: M5000-1**

**Quantity: 1 mg in 1 ml**

**Lot#: Refer to vial**

**Application: WB, ELISA, IHC**

### **Background:**

Horseshoe peroxidase is a 44 kD glycoprotein with 6 lysine residues which can be conjugated to a labeled molecule. It produces a colored, fluorimetric, or luminescent derivative of the labeled molecule when incubated with a proper substrate, allowing it to be detected and quantified. HRP is often used in conjugates to determine the presence of a molecular target. HRP-conjugated secondary antibodies are widely used in Western blot (WB), ELISA and Immunohistochemistry (IHC) in conjunction with specific substrates to produce chemiluminescent or colorimetric signals.

### **Source and Purity:**

Goat anti-Mouse IgG polyclonal antibodies were produced by immunizing animals with whole mouse IgG (H+L). Antibodies were purified by affinity purification using immunogen.

### **Storage Buffer and Condition:**

Supplied in 1 x PBS (pH 7.4), 50% Glycerol, 0.02% Thimerosal, and 5 mg/ml BSA. Store at -20 °C. Stable for 1 year from date of receipt.

### **Species Specificity:**

Mouse

### **Tested Applications:**

WB: 1:3,000-1:5,000

ELISA: 1:5,000 – 1:20,000

IHC: 1:1,000 – 1:5,000