

# Product Data Sheet

Date of Issue: 22 Feb 2019

## 1. Product Information

- Product Name : Goat anti-mouse IgG, HRP
- Catalog Number : RSA1122
- Packing Unit : 0.5 mg / 1 mg / 2 mg
- Appearance : Liquid
- Storage Conditions : Protect from Light at 4 °C

## 2. Additional Information

- Target Species Reactivity : Mouse
- Host : Goat
- Isotype : IgG
- Conjugate : HRP
- Concentration : 1 mg/mL
- Storage Buffer : 10 mM PBS, pH 7.4, 15 mg/mL BSA

## 3. Description

Goat anti-mouse IgG, HRP, developed by BioActs' leading technology, is a horseradish peroxidase (HRP) conjugated secondary antibody that reacts with H<sub>2</sub>O<sub>2</sub> in stoichiometric ratio to produce a strongly absorbing fluorescent reaction product. This reactive antibody displays a high extinction coefficient, good quantum efficiency, and resistance to auto-oxidation. This antibody can also provide greater sensitivity through signal amplification as multiple secondary antibodies can bind to a single primary antibody, thereby visualizing low abundant targets, minimizing experiment time, and allowing an accurate sample count. The ability of HRP to oxidize various substrates to produce products makes HRP-labeled antibodies useful for a wide range of applications. HRP conjugate of goat anti-rabbit IgG antibody is useful for fluorescent detection of a rabbit antibody to a small amount of specific protein. We offer Goat anti-mouse IgG, HRP as an optimal molecular probe for a variety of biological applications such as immunohistochemistry, ELISA, dot blot, Western blot, etc.