

# Product Data Sheet

**Date of Issue: 26 Nov 2019**

## 1. Product Information

- Product Name : Goat anti-mouse IgG, Flamma® 749
- Catalog Number : RSA1101
- Packing Unit : 0.5 mg / 1 mg / 2 mg
- Appearance : Green Liquid
- Storage Conditions : Protect from Light at 4 °C

## 2. Additional Information

- Target Species Reactivity : Goat
- Host : Mouse
- Isotype : IgG
- Conjugate : Flamma® 749
- Concentration : 2 mg/mL
- Excitation<sub>Max</sub> : 749 ± 5 nm
- Emission<sub>Max</sub> : 774 ± 5 nm
- Storage Buffer : 10 mM PBS, pH 7.4, 1.5% BSA, 5 mM sodium azide

## 3. Description

Goat anti-mouse IgG, Flamma® 749 is a fluorescence conjugated secondary antibody that displays excellent optical imaging with low cross reactivity. Anti-mouse secondary antibodies display specificity for mouse IgG and are useful for the detection of specific target. Since multiple secondary antibodies can bind to a single primary antibody, Goat anti-mouse IgG, Flamma® 749 might provide the great sensitivity in signal amplification, visualize low abundant targets and reduce experimental time. Flamma® Fluor dyes feature strong absorption, high fluorescence quantum yield, and high photostability. Flamma® 749 might be excited using 750 nm laser line or dye-pumped laser excitation and the emission occurs at biological tissue permeable NIR region. We offer Goat anti-mouse IgG, Flamma® 749 as an optimal molecular probe for many biological experiments such as fluorescence microscopy, flow cytometry, microplate assays, protein and nucleic acid blots, in situ hybridization, etc.