

# Product Data Sheet

Date of Issue: 26 Nov 2019

## 1. Product Information

- Product Name : Goat anti-rat IgG, FSD™ 647
- Catalog Number : RSA1315
- Packing Unit : 0.5 mg / 1 mg
- Appearance : Blue Liquid
- Storage Conditions : 4 °C, protect from light

## 2. Additional Information

- Target Species Reactivity : Rat
- Host : Goat
- Isotype : IgG
- Conjugate : FSD™ 647
- Concentration : 2 mg/mL
- Excitation<sub>Max</sub> : 651 ± 5 nm
- Emission<sub>Max</sub> : 667 ± 5 nm
- Storage Buffer : 10 mM PBS, pH 7.4, 1.5% BSA, 5 mM sodium azide

## 3. Description

Goat anti-rat IgG, FSD™ 647 is a fluorescence conjugated secondary antibody that displays excellent optical imaging with low cross reactivity. Anti-rat secondary antibodies display specificity for rat IgG and are useful for the detection of specific target. Since multiple secondary antibodies can bind to a single primary antibody, Goat anti-rat IgG, FSD™ 647 might provide the great sensitivity in signal amplification, visualize low abundant targets and reduce experimental time. FSD Fluor™ is a new generation of dye series with superb fluorescence intensity and high quantum yield comparing to traditional dyes. FSD™ 647 might be excited using 593 or 633 nm laser line and displays excellent optical property. We offer Goat anti-rat IgG, FSD™ 647 as a suitable fluorescent molecular probe for many biological experiments such as fluorescence microscopy, flow cytometry, microplate assays, protein and nucleic acid blots, in situ hybridization, etc.