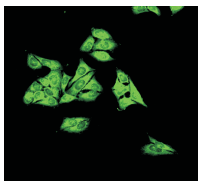


## STAR FLUOR MICRO ANTIBODY LABELLING KITS

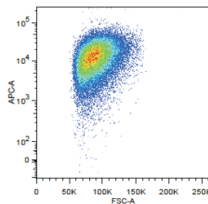
CONJUGATES APPLICATIONS.



Fluorescent Western blotting



Fluorescent Microscopy



Flow Cytometry

### Related products



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THE RIGHT LIGHT

**STAR FLUOR MICRO**

Antibody Labeling Kits

**NEW KITS**

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## STAR FLUOR MICRO ANTIBODY LABELING KITS

### TECHNICAL DESCRIPTION

**STAR FLUOR MICRO ANTIBODY LABELING KITS** offer an efficient and easy method for the fluorescent conjugation of antibodies. Although validated on antibodies, it is also efficient for molecules containing a primary amino group. STAR FLUOR MICRO contain a ready-to-use dye, a purification spin column and required buffers in order to ensure reproducibility and an easy procedure.

The antibodies labeled with the STAR FLUOR MICRO kits are suitable for the most used techniques as Western blotting, Fluorescent microscopy and Flow cytometry. Each STAR FLUOR MICRO – Dye is designed to label 50-100 µg of IgG (M.W. 150000) at 1 mg/ml solution concentration. The antibody must be dissolved in amine free buffer.

### STORAGE CONDITIONS

Store the STAR FLUOR MICRO Dye at -20°C. Store the other components at +4°C.

## STAR FLUOR MICRO ANTIBODY LABELING KITS

### FEATURES

#### **Time saving**

Ready to use fo conjugation

#### **Optimized**

High brightness and purity of the dye

#### **Versatile**

Easy and reproducible procedure

#### **Easy**

All-inclusive kit

## STAR FLUOR MICRO ANTIBODY LABELING KITS

### QUICK START PROTOCOL

- Dilute the antibody to 1 mg/mL with 1X PBS pH 7.4 containing 0.01% Sodium Azide, then add 10% of labeling buffer to the antibody solution.
- Add 10 µL of dH<sub>2</sub>O to the STAR FLUOR Micro – Dye and mix by pipetting up and down.
- Calculate the volume of reactive dye with the following formula: µL reactive dye = µg Ab X 0.05, where µg Ab is the amount of the antibody to be labeled. To increase or decrease the DOL, use more or less volume of reactive DYE.

## STAR FLUOR MICRO ANTIBODY LABELING KITS

### QUICK START PROTOCOL (continued)

- Calculate the volume of reactive dye with the following formula: µL reactive dye = µg Ab X 0.05, where µg Ab is the amount of the antibody to be labeled. To increase or decrease the DOL, use more or less volume of reactive DYE.
- Add the volume of dye solution to the antibody and mix by pipetting up and down. Cap the vial and incubate the reaction mixture at r.t. in the dark for 1 hour, pipetting up and down every 15 minutes.
- Place the STAR FLUOR - Purification spin column in a 2 mL Collection Tube and centrifuge at 1,000 x g for 2 minutes.
- Transfer the spin column to a clean tube, carefully load the sample (20-100 µL) onto the center of the gel bed surface and centrifuge at 1,000 x g for 3 minutes.
- The purified sample can be recovered at the bottom of the 1.5 mL microcentrifuge tube.
- Determine the DOL using the following formula:
$$DOL = \frac{A_{max} \times \epsilon \times Ab}{[A_{280} - (A_{max} \times CF_{280})] \times \epsilon \times dye}$$
- Store the labeled antibody at +4°C and protect from light.