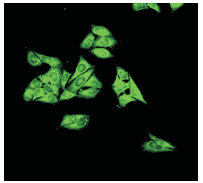
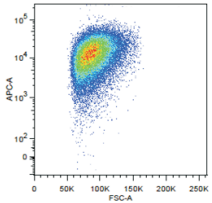
STAR FLUOR ANTIBODY LABELING KITS

CONJUGATES APPLICATIONS.

Fluorescent Western blotting



Fluorescent Microscopy



Flow Cytometry

Related products

Downloads: http://www.cyanagen.com/downloads/product-manuals#family-13

CYANAGEN
Reagents for Molecular Biology

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CYANAGEN
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THE RIGHT LIGHT

STAR FLUOR

Antibody Labeling Kits

NEW KITS

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TECHNICAL DESCRIPTION

STAR FLUOR 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 kits 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 kits are suitable for the most used techniques as Western blotting, Fluorescent microscopy and Flow cytometry.
Each STAR FLUOR – 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 – Dye at -20°C
Store the other components at +4°C

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

QUICK START PROTOCOL

- Dilute the antibody (solid or in buffer solution) to 1 mg/mL with 1X PBS pH 7.4 containing 0.01% Sodium Azide, then add 100 µL of labeling buffer to the antibody solution.
- Add the antibody solution to the vial containing the dye and incubate at RT in the dark for 1 hour, gently mixing every 15 minutes.

QUICK START PROTOCOL *(continued)*

- Prepare 200 mL of 1X elution buffer by diluting 20 mL of elution buffer in deionized water.
- Fill the empty column with 15 mL of Purification resin.
- Wash the resin with 10 mL of the 1X elution buffer, then transfer the Ab-labeling mixture to the top of the column.
- Add 3 or 4 mL of the 1X elution buffer.
- When the faster band reaches the end of the column, add an additional 2.5 mL of the 1X elution buffer and collect the fast moving band in a clean tube.
- Add 10 mL of the 1X elution buffer to remove the excess of free dye from the column.
- Stock the column at +4°C if you need to re-use it in the next reaction.
- Determine the DOL using the following formula:

$$DOL = \frac{Amax \times \varepsilon Ab}{[A280 - (Amax \times CF280) \times \varepsilon dye}$$

- Store the labeled antibody at +4°C and protect from light.