FSD Fluor™ Triple-Color (488/594/647) Antibody Labeling Kit

Cat. No. GTX440440

Review (4)

Package
3 x25µg

PRODUCT

The FSD Fluor™ Triple-Color (488/594/647) Antibody Labeling Kit contains three different color labeling reagents, each capable of labeling 25 µg of antibody.

Content

Item	Unit & Qty (3 x 25 µg)	Storage	Form
FSD Fluor™ 488 dye	1 vial	-20°C	Lyophilized powder
FSD Fluor™ 594 dye	1 vial	-20°C	Lyophilized powder
FSD Fluor™ 647 dye	1 vial	-20°C	Lyophilized powder
Enhancer (100 µL)	1 vial	-20°C	Liquid
Quencher (100 µL)	1 vial	-20°C	Liquid

GeneTex FSD Fluor™ antibody labeling kits provide a simple and rapid method to covalently label antibodies with FSD Fluor™ NHS ester fluorescent dyes by way of the ε-amino group of lysines. The protocol requires only 10 minutes of hands-on time and the conjugated antibody is ready to use within one hour. The kits can be used with GeneTex antibodies, recombinant proteins, and biomolecules that are in PBS-only buffer or in PBS buffer with up to 20% glycerol.

Properties of FSD Fluor™ Dyes:

Dye	Ex_{max} (nm)	Em_{max} (nm)	Fluorescent Color
FSD Fluor™ 488	495	519	Green
FSD Fluor™ 594	590	618	Orange
FSD Fluor™ 647	651	667	Far-Red

For full product information, images and publications, please visit our website.

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Summary

Antibody Requirements for Conjugation :

1. Purified antibody
2. Antibody concentration 0.5-1 mg/ml
3. pH 6.5 – 7.5

Acceptable Buffer Components :

<0.1% BSA	<20% Glycerol	<0.09% Sodium Azide
<0.025% ProClin™ 300	PBS	Sodium Chloride
EDTA	Borate buffer	Sugars

Unacceptable Buffer Components :

Tris	Glycine	Thimerosal
Merthiolate	DTT	

Applications

Application Note

Antibody sample pretreatment (e.g., dialysis, desalting columns) will be required prior to conjugation if the antibody of choice is supplied in a buffer not compatible with the conjugation reaction. Please see the protocol for buffer compatibility, recommended amount and concentration of antibody for labeling reaction.

Properties

Storage Store the kit at -20ºC and protect from light upon receipt. Before opening the FSD Fluor™ tube, allow it to reach room temperature to avoid moisture condensation.

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