

FSD Fluor™ 647 Antibody Labeling Kit

Cat. No. GTX440418

★★★★★ Review (2)

Package
100 µg, 3 x25µg

PRODUCT

The FSD Fluor™ 647 Antibody Labeling Kit is available in two packing sizes. The 3 x 25 µg package contains three vials of FSD Fluor™ 647 labeling reagents, each capable of labeling 25 µg of antibody. The 1 x 100 µg package contains one vial of FSD Fluor™ 647 labeling reagents, capable of labeling 100 µg of antibody.

Content

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

Antibody Requirements for Conjugation :



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Summary

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 -20°C and protect from light upon receipt. Before opening the FSD Fluor™ tube, allow it to reach room temperature to avoid moisture condensation.

Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



For full product information, images and publications, please visit our [website](#).