

MagicLink™ Cy3 Antibody Labeling Kit

Component

MagicLink™ Cy3 conjugation kit is available in two formats, NHS and maleimide. Other formats are available upon request.

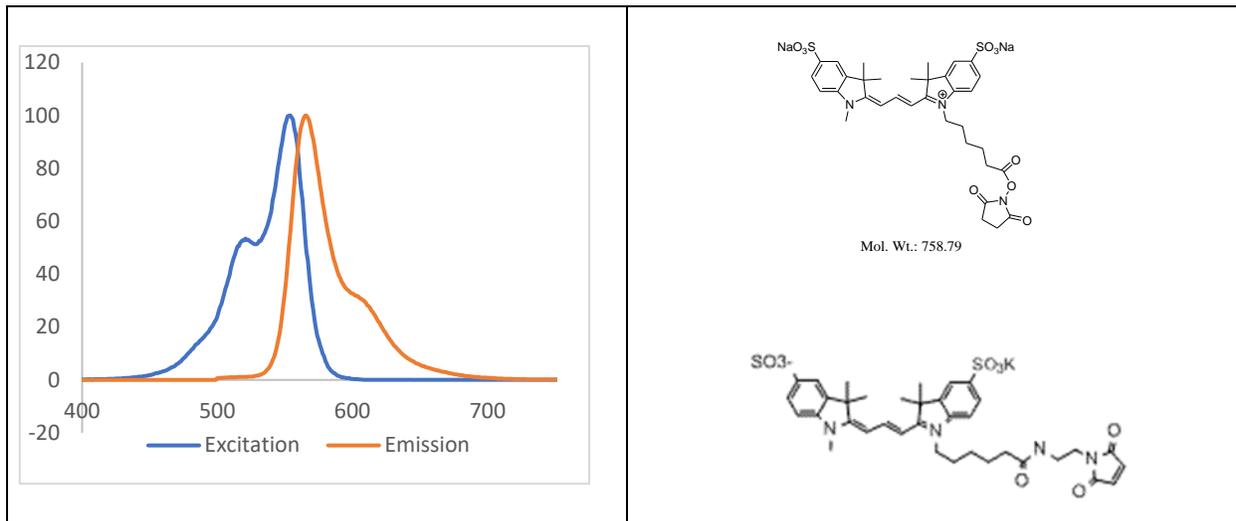
Kit Component	Product size						storage	
	Cy3 NHS antibody labeling kit			Cy3 Mal antibody labeling kit				
	1x100 ug	3x100 ug	1x1 mg	1x100 ug	3x100 ug	1x1 mg		
	BP-50020	BP-50019	BP-50018	BP-50041	BP-50040	BP-50039		
A	Active Dye	1 x 100 nmol	3 x 100 nmol	1 x 500 nmol	1 x 100 nmol	3 x 100 nmol	1 x 500 nmol	-20 °C
B	Reaction Buffer	1	1	1	1	1	1	4 – 8 °C
C	Desalt column	1	3	1	1	3	1	4 – 8 °C
D	DMSO, 1rxn 1 ml	1	1	1	1	1	1	Room Temp
E	NaN3 3% 0.5 ml	1	1	1	1	1	1	4 – 8 °C
Note: The kit above is designed for IgG antibodies, but works well for any amine and thiol containing biomolecule. Please follow same technical tips if required.								

Overview

Cy3 dye is a bright, orange-fluorescent dye that can be excited using the 532 nm laser line and visualized with TRITC (tetramethylrhodamine) filter sets. In addition to immunocytochemistry applications, Cy3 dye is commonly used to label nucleic acids.

The Cy3 fluorophore is also the basis for the lipophilic neuronal and long-term Dil cell tracing reagents, which append alkyl tails (≥12 carbons) onto the core fluorophore.

Dye	MW	Laser channel	Filter	Abs max	Emission max	extinction coefficient	CF ₂₈₀
Cy3-NHS	758	488, 532	TRITC	554	568	240,000	0.11
Cy 3-Mal	777	488, 532	TRITC	554	568	240,000	0.11



Protocol

- general protocol of dye NHS antibody labeling kit
- general protocol of dye maleimide antibody labeling kit

Application

The dye is used to conjugated to primary antibody, secondary antibody.
The applications include of immunolabeling nucleic acid labeling, fluorescence microscopy, and flow cytometry.

Other formats related available

Reaction type		Part number
Click chemistry 1	Dye Azide	BP-22544, BP-22545, BP-20956, BP-23405,
	R-PEG- alkyne	See alkyne- PEG- NHS, alkyne- PEG- mal,
Click chemistry 2	Dye alkyne	BP-22530, BP-22531, BP-22299
	R-PEG- azide	See azide - PEG- NHS, azide- PEG- mal,