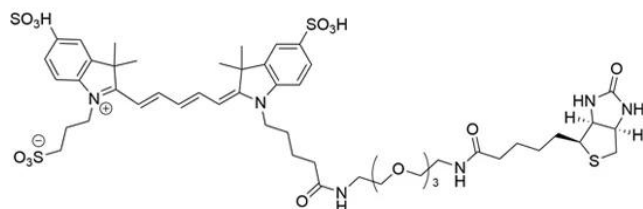


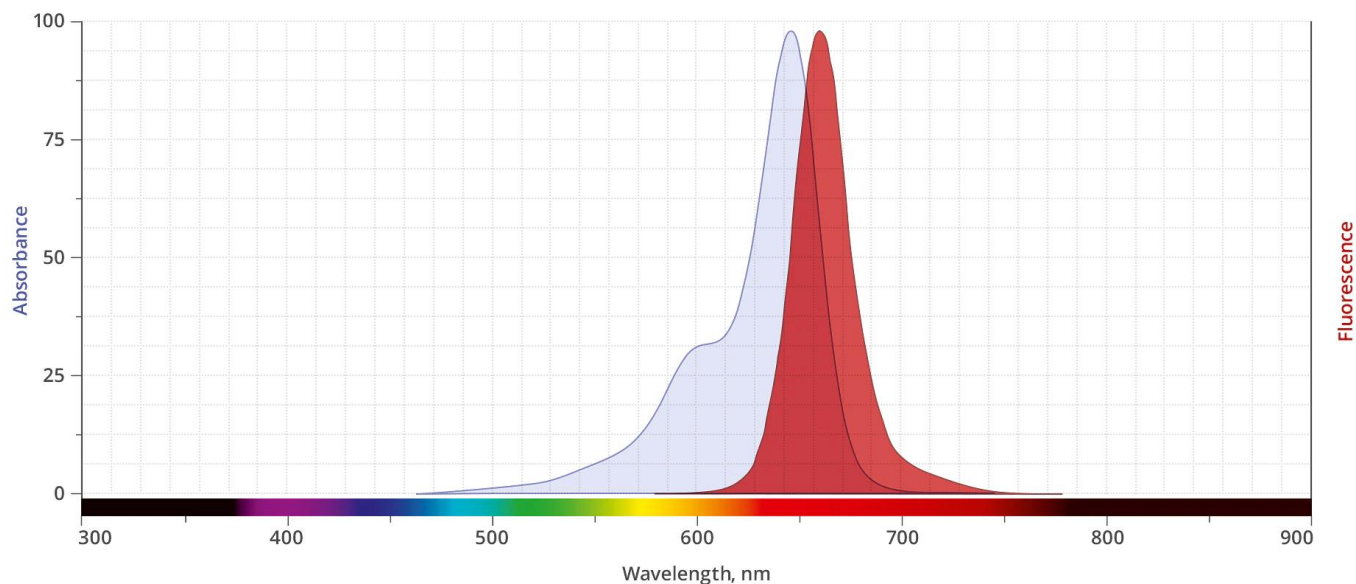
CY5 BIOTIN

SKU: CCT-1049



Description

Cy5 Biotin can be used for detecting and quantifying biotin binding sites of avidin, streptavidin or neutravidin. This reagent overcomes major shortcomings of commonly used Biotin-4-fluorescein – poor solubility in aqueous media and pH dependent absorbance and emission. Cy5 Biotin is a water soluble reagent and its red fluorescence is pH independent from pH 4 to pH 10. A flexible PEG3 spacer between biotin moiety and fluorescent tag minimize steric hindrance involved in binding to avidin, streptavidin or neutravidin.



Abs/Em Spectra

For research use only. Not intended for animal or human therapeutic or diagnostic use.

Specifications

Unit Size	1 mg, 5 mg
Abs/Em Maxima	649/671 nm
Extinction Coefficient	250,000
Flow Cytometry Laser Line	633 or 635 nm
Microscopy Laser Line	633 or 635 nm
Spectrally Similar Dyes	Alexa Fluor® 647, CF™ 647 Dye, DyLight™ 649
Molecular weight	1136.39
CAS	N/A
Solubility	Water, DMSO, DMF, MeOH
Purity	>95% (HPLC)
Appearance	Blue solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature

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