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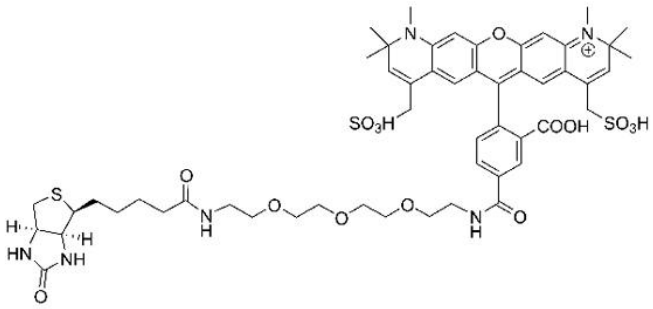
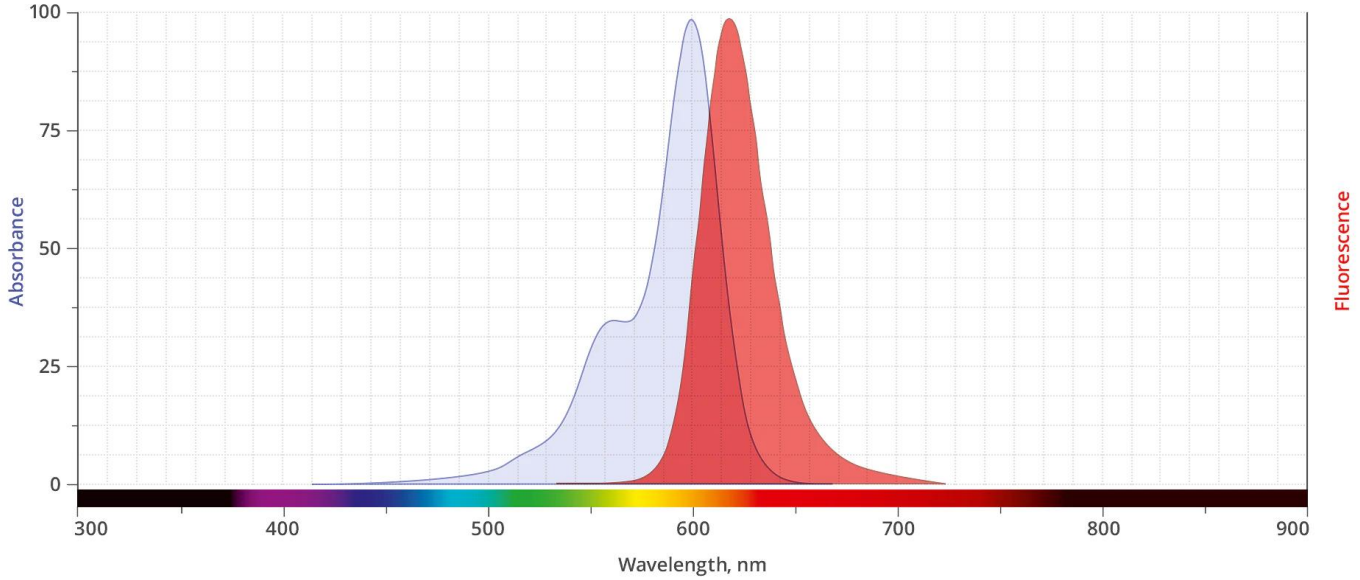
AZDYE 594 BIOTIN

SKU: CCT-1396



Description

AZDye 594 Biotin (Alexa Fluor® 594 Biotin equivalent) 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. AZDye 594 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.



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Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg
Abs/Em Maxima	590/617 nm
Extinction Coefficient	88,000
Flow Cytometry Laser Line	532 or 594 nm
Microscopy Laser Line	594 nm
Spectrally Similar Dyes	Alexa Fluor® 594, Atto™ 594, CF™ 594 Dye, DyLight™594
Molecular weight	1123.32
CAS	N/A
Solubility	Water, DMSO, DMF, MeOH
Purity	>95% (HPLC)
Appearance	Blue solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature
