www.vectorlabs.com
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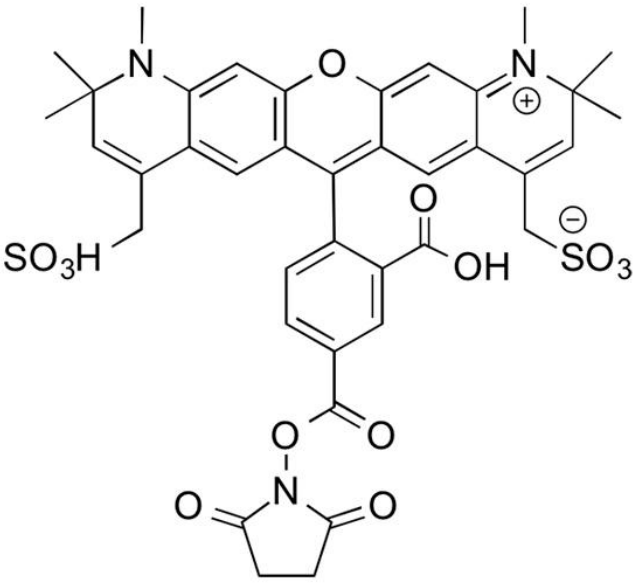
Telephone: (650) 697-3600

AZDYE 594 NHS ESTER

SKU: FP-1101



Description

AZDye™ 594 NHS Ester is the most popular tool for modifying proteins or antibodies through the primary amines (Lys), amine-modified oligonucleotides, and other amine-containing biomolecules with AZDye™ 594 label. The labeling occurs most efficiently at pH 7-9 and forms a stable, covalent amide bond. AZDye™ 594 dye can be used for proteins labeling at high molar ratios without significant self-quenching, enabling brighter conjugates and more sensitive detection.

AZDye™ 594 is bright, water-soluble, and pH-insensitive from pH 4 to pH 10 red-fluorescent dye with absorption and emission maxima at 590 and 617 nm, respectively. It can be used with the 561 nm and 594 nm laser lines. AZDye™ 594 dye conjugated to a variety of antibodies, peptides, proteins, tracers, and amplification substrates often used for generation of stable signal in imaging and flow cytometry.

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

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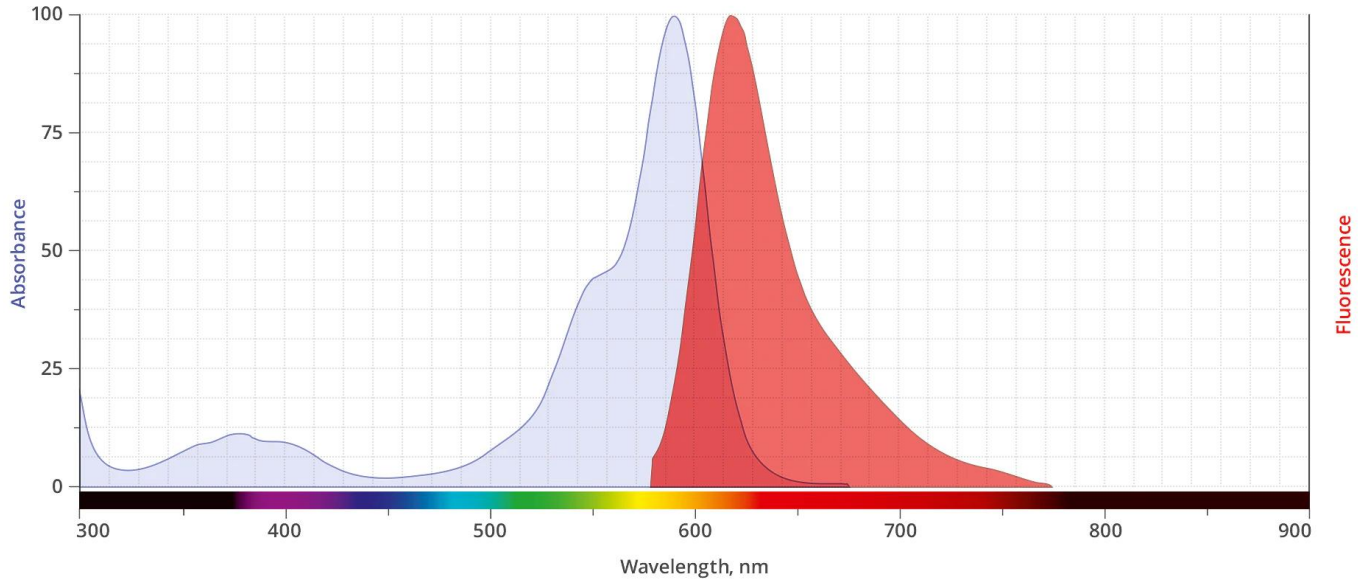

Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Reactivity	Primary amine
Abs/Em Maxima	590/617 nm
Extinction coefficient	92,000 cm-1M-1
Solubility	Water, DMSO, DMF
Spectrally similar dyes	Alexa Fluor® 594, CF™ 594, DyLight® 594
Molecular weight	819.85
Storage Conditions	-20°C.
Shipping Conditions	Ambient temperature
