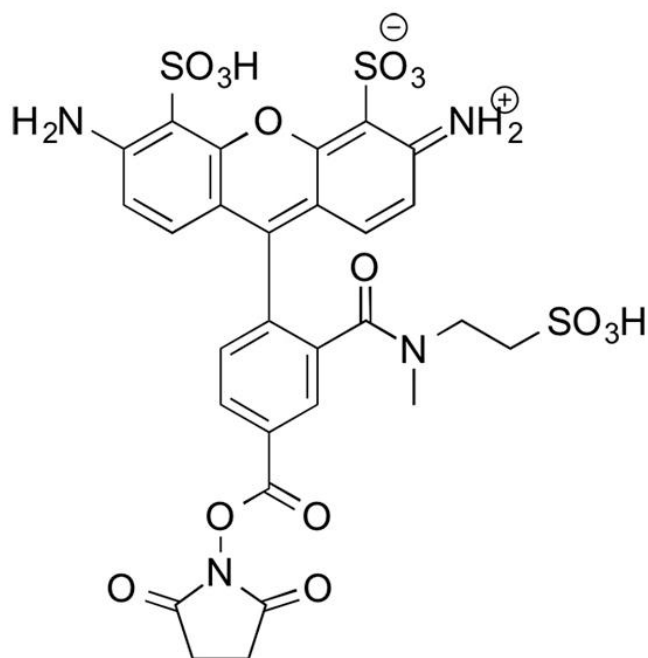




MB 488 NHS ESTER

SKU: FP-1601



DESCRIPTION

488



Laser
line

Fitc



Common
filter set

490



Excitation
max

525



Emission
max

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



MB™ 488 is a very hydrophilic, water-soluble green emitting dye. Structurally related to Alexa Fluor® 488 dye, MB™ 488 dye is a next step in improving water solubility, brightness and minimizing self-quenching. Characteristic features of the label are strong absorption, high fluorescence quantum yield, and very high photostability. MB™ 488 is a highly suitable dye for single-molecule detection applications and high-resolution microscopy such as PALM, dSTORM, STED etc. Additionally MB™ 488 is an excellent dye for flow cytometry (FACS), fluorescence in-situ hybridization (FISH) and many other applications.

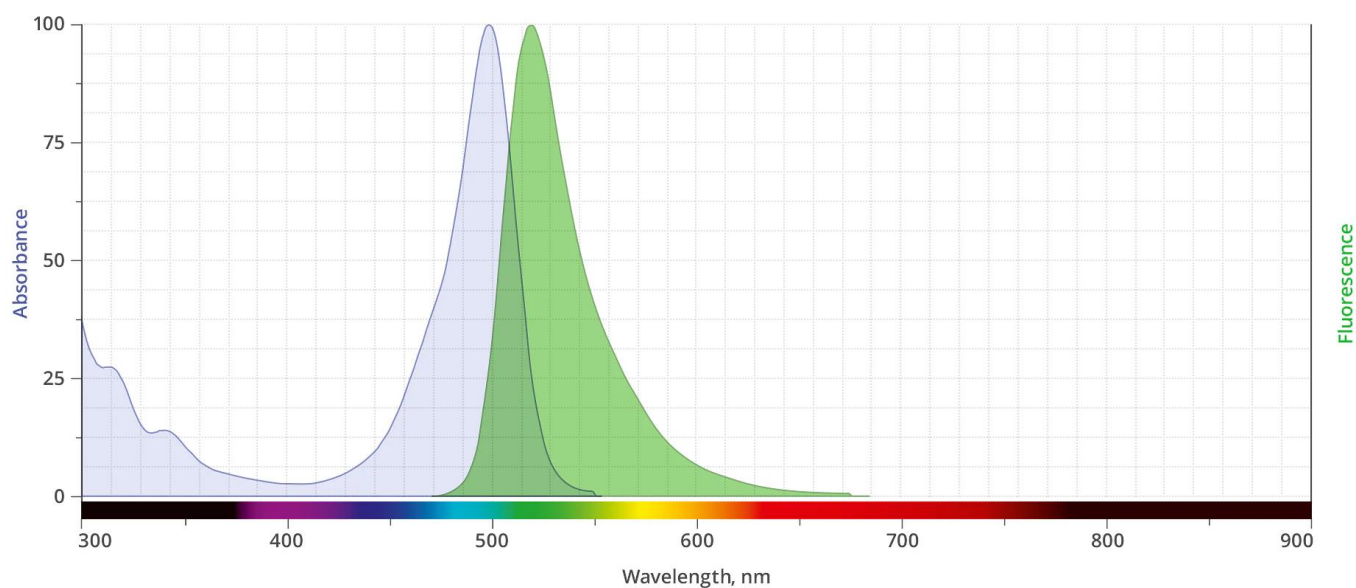
The NHS Ester reacts specifically and efficiently with a primary amine (e.g., side chain of lysine residues or aminosilane-coated surfaces) at pH 7-9 to form a stable, covalent amide bond. The NHS ester (or succinimidyl ester) is the most popular tool for conjugating dyes to the primary amines of protein or antibody (Lys), amine-modified oligonucleotides, and other amine-containing molecules.

SPECIFICATIONS

Molecular Weight	752.69
Extinction Coefficient	86,000 cm ⁻¹ M ⁻¹
Reactivity	Primary amine
Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 488, DyLight® 488, Fluorescein, Oregon Green 488
Excitation/Emission Maximum	501/524 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

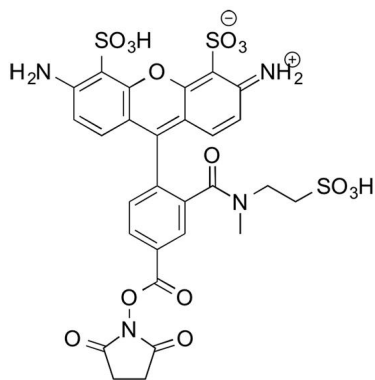
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DOCUMENTS

- [Safety Data Sheet](#)
- [Datasheet](#)

GALLERY IMAGES



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