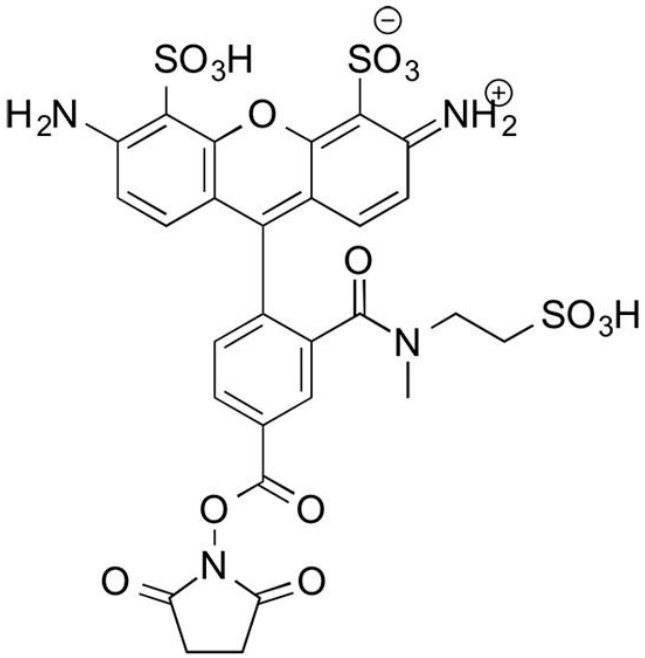
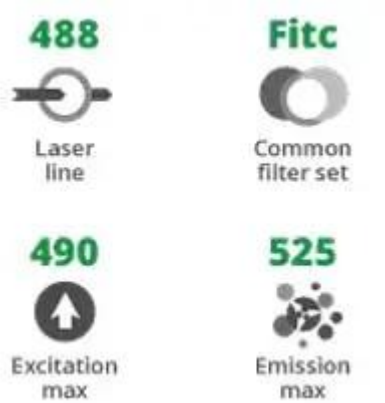
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

MB 488 NHS ESTER

SKU: FP-1601



DESCRIPTION



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

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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.

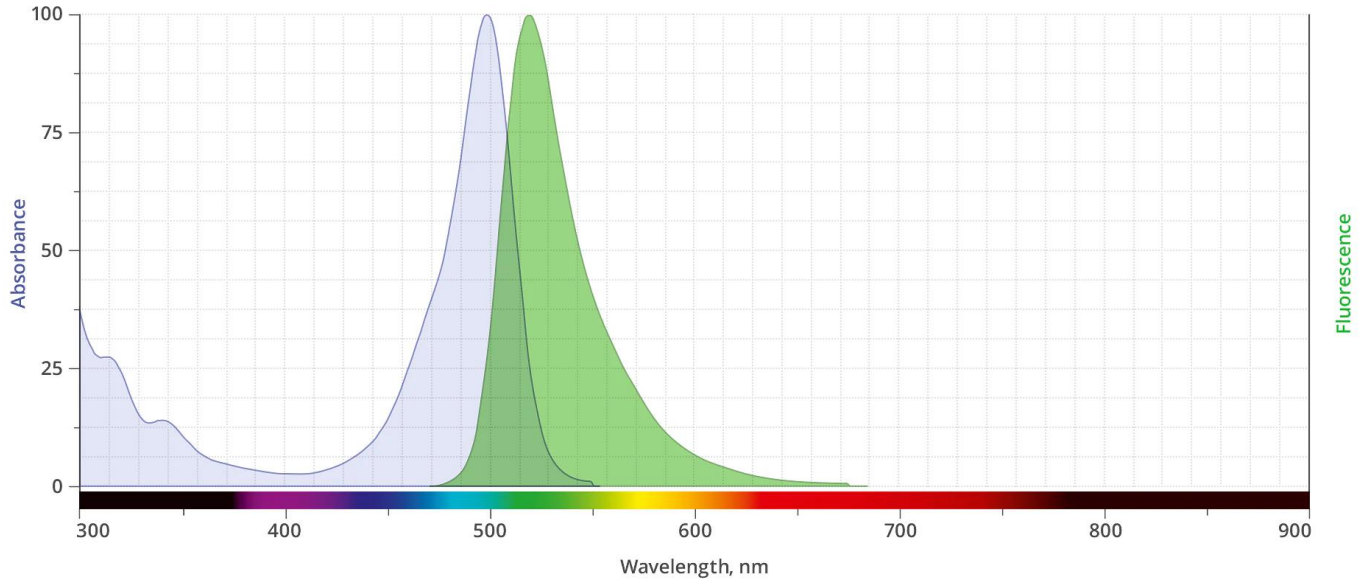
SPECIFICATIONS

Molecular Weight	752.69
Extinction Coefficient	86,000 cm-1M-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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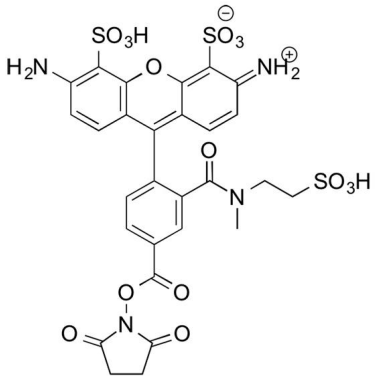
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DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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