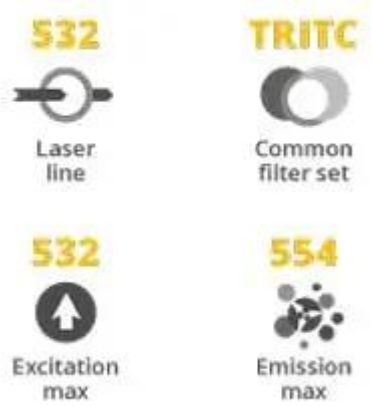
www.vectorlabs.com
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Telephone: (650) 697-3600

AZDYE 532 MALEIMIDE

SKU: FP-1042

[redacted]

DESCRIPTION



AZDye™ 532 Maleimide is a water-soluble, photostable, bright yellow-fluorescent dye with pH insensitive emission from pH 4 to pH 10. The excitation of AZDye™ 532 is ideally suited for the frequency-doubled Nd:YAG laser line. AZDye™ 532 dye can be conjugated to a variety of

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antibodies, peptides, proteins, tracers, and amplification substrates, and is often used for the generation of stable signals in imaging and flow cytometry.

Maleimide is the most popular sulfhydryl-reactive group for conjugating the dye to a thiol group on a protein, oligonucleotide thiophosphate, or low molecular weight ligand. The maleimide group specifically and efficiently reacts with reduced thiols (sulfhydryl groups, –SH) at pH 6.5 to 7.5 to form a stable thioether bond. The resulting conjugates exhibit brighter fluorescence and greater photostability than the conjugates of many other spectrally similar fluorophores.

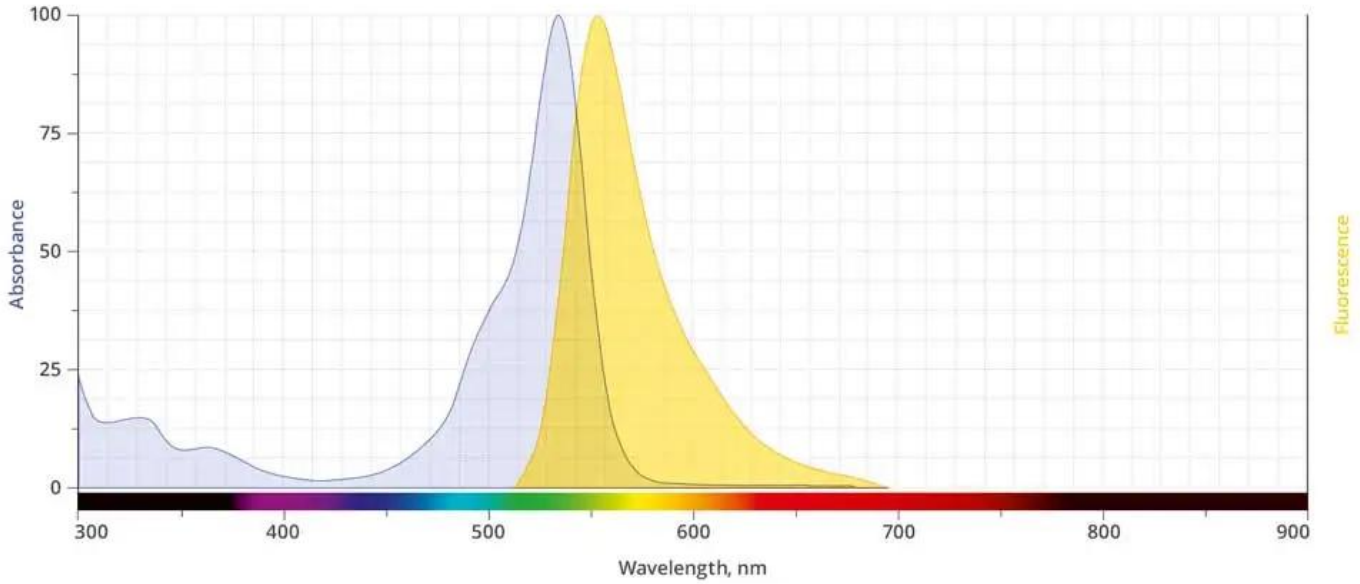
SPECIFICATIONS

Extinction Coefficient	78,000 cm-1M-1
Reactivity	Thiol (Cys)
Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 532, DyLight® 532
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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