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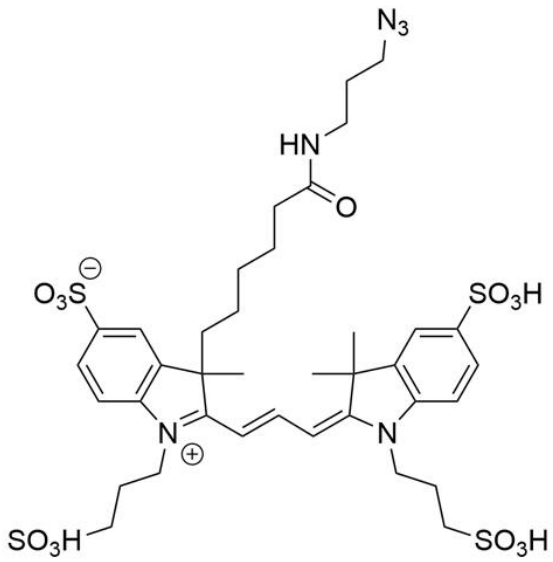
AZDYE 555 AZIDE

SKU: CCT-1287



Description

AZDye™ 555 Azide is a water-soluble, bright orange-fluorescent dye with excitation ideally suited for the 532 nm or 555 nm laser lines and visualized with TRITC (tetramethylrhodamine) filter sets. AZDye™ 555 conjugates of antibodies, peptides, and proteins are pH insensitive from pH 4 to pH 10. The brightness and photostability of this dye are best suited to direct imaging of low-abundance targets.

AZDye™ 555 Azide can be reacted with terminal alkynes via a copper-catalyzed click reaction (CuAAC). It also reacts with strained cyclooctyne via a copper-free “click chemistry” reaction to form a stable triazole and does not require Cu-catalyst or elevated temperatures. The brightness and photostability of this dye are best suited to direct imaging of low-abundance targets.

AZDye™ 555 is structurally similar to Alexa Fluor® 555, and spectrally is almost identical to Cy3 Dye, Alexa Fluor® 555, CF® 555 Dye, or any other Cyanine3 based fluorescent dyes. AZDye™ 555 Azide can be used a less expensive alternative to Alexa Fluor® 555 Azide.

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

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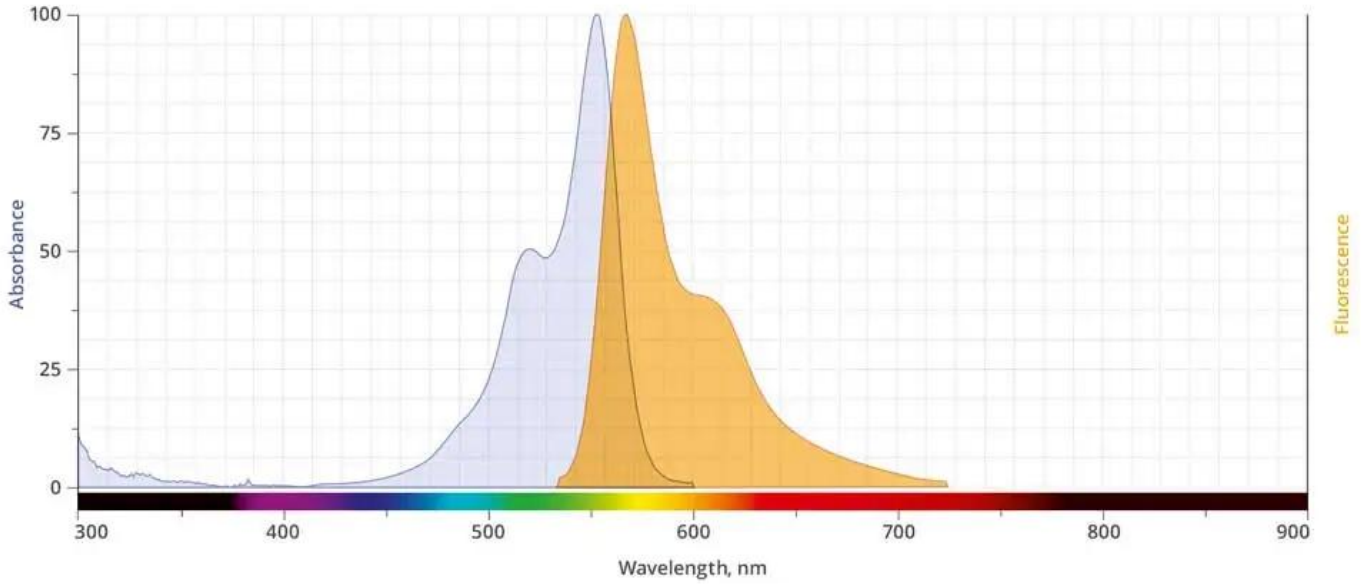

Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg
Abs/Em Maxima	555/572 nm
Extinction Coefficient	155,000
Flow Cytometry Laser Line	532 nm or 555 nm
Microscopy Laser Line	532 nm or 555 nm
Spectrally Similar Dyes	Alexa Fluor® 555, CF® 555, DyLight® 549, Cy3 Dye
Molecular weight	915.08 (protonated)
CAS	N/A
Solubility	Water, DMSO, DMF
Purity	>95% (HPLC)
Appearance	Red solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature