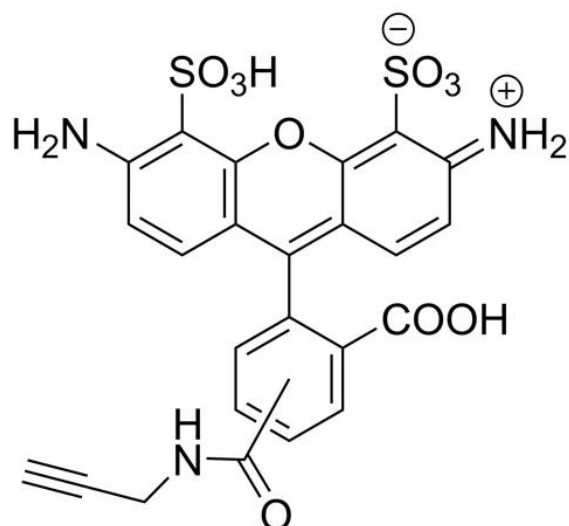


AZDYE 488 ALKYNE

SKU: CCT-1277



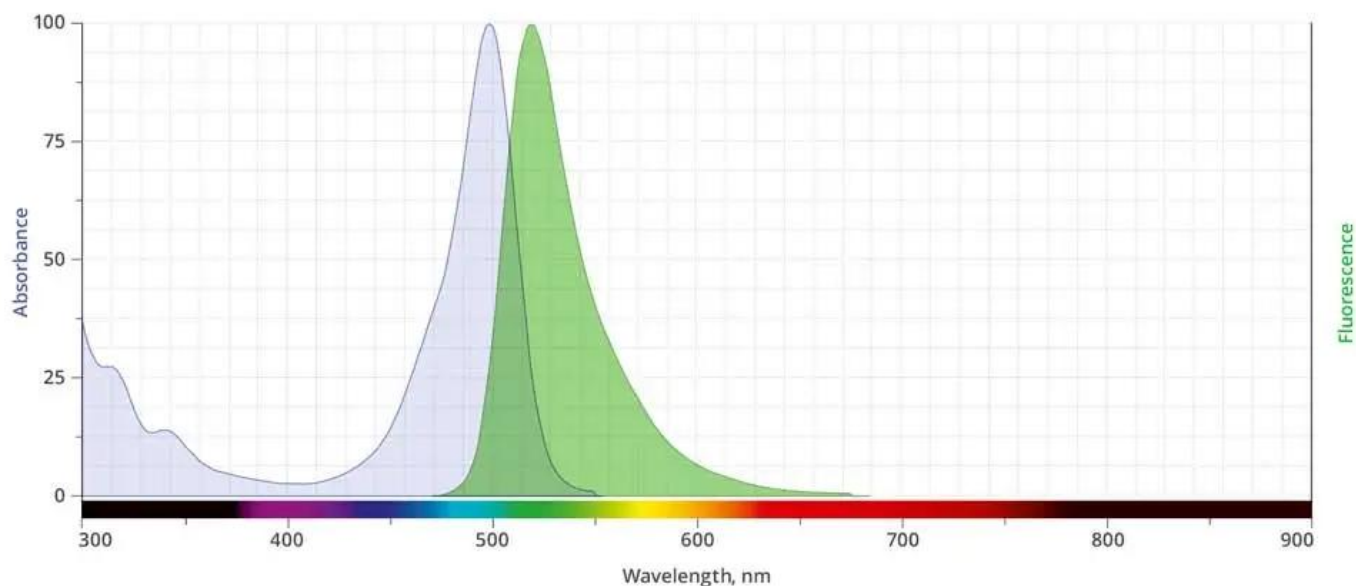
Description

AZDye™ 488 Alkyne is a bright, green-fluorescent alkyne-activated probe routinely used for imaging of low abundance azide-containing biomolecules. AZDye™ 488 Alkyne reacts with azides via a copper-catalyzed click reaction (CuAAC) to form a stable triazole linker. A probe for copper-less azide detection (AZDye™ 488 DBCO) is also available for application where the presence of copper is not acceptable.

AZDye™ 488 is a bright, and highly photostable, green-fluorescent probe optimally excited by the 488 nm laser line. This probe is water-soluble and its fluorescence is pH independent over a wide pH range. The brightness and photostability of blue dyes are best suited to direct imaging of low-abundance targets. AZDye™ 488 is structurally identical to [Alexa Fluor® 488 Alkyne](#). Its absorption/emission spectra is a perfect match to spectra of many other fluorescent dyes based on sulfonated rhodamine 110 core, including DyLight® 488, Alexa Fluor® 488 and CF® 488 Dye.

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Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg
Abs/Em Maxima	494/517 nm
Extinction Coefficient	73,000
Flow Cytometry Laser Line	488 nm
Microscopy Laser Line	488 nm
Spectrally Similar Dyes	FAM, Alexa Fluor® 488, Atto™ 488, CF® 488A Dye, DyLight® 488
Molecular weight	571.53 (protonated)
CAS	N/A
Solubility	Water, DMSO, DMF
Purity	>95% (HPLC)
Appearance	Orange to light red solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature

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