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AZDYE 594 ALKYNE

SKU: CCT-1297

DESCRIPTION

AZDye™ 594 Alkyne is a bright, red-fluorescent alkyne-activated probe routinely used for imaging of azide-containing biomolecules. AZDye™ 594 Alkyne reacts with azides via a copper-catalyzed click reaction (CuAAC) to form a stable triazole linker.

AZDye™ 594 is bright, water-soluble, and pH-insensitive from pH 4 to pH 10 red-fluorescent dye with absorption and emission maxima at 590 and 617 nm, respectively. It can be used with the 561 nm and 594 nm laser lines. AZDye™ 594 dye conjugated to a variety of antibodies, peptides, proteins, tracers, and amplification substrates often used for generation of stable signal in imaging and flow cytometry. AZDye™ 594 Azide dye structurally is identical to Alexa Fluor® 594 Azide. Its absorption/emission spectra is a perfect match to spectra of many other fluorescent dyes based on sulfonated rhodamine core, including CF®594 Dye, DyLight® 594 and Alexa Fluor® 594.

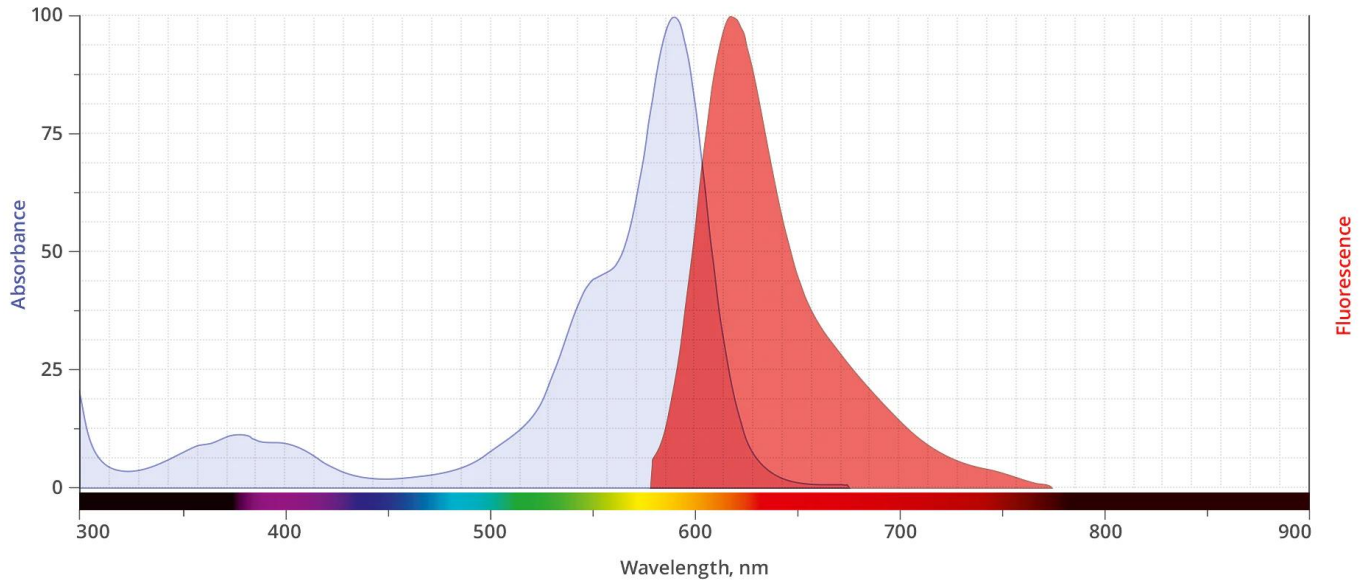
For application where the presence of copper is not acceptable, please consider our AZDye™ 594 DBCO probe for copper-less detection of azide-modified molecules.

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

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	758.18 (protonated)
Appearance	Red solid
Extinction Coefficient	88,000
Purity	>95% (HPLC)
Unit Size	1 mg, 5 mg, 25 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C. Desiccate
Spectrally Similar Dyes	Alexa Fluor® 594, CF® 594, DyLight® 594
Laser Line	561 nm or 594 nm
Excitation/Emission Maximum	590/617 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



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DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES

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