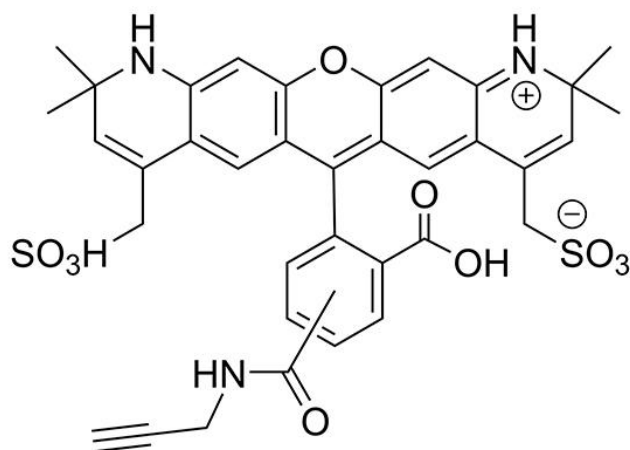


## **AZDYE 568 ALKYNE**

**SKU:** CCT-1293



### **Description**

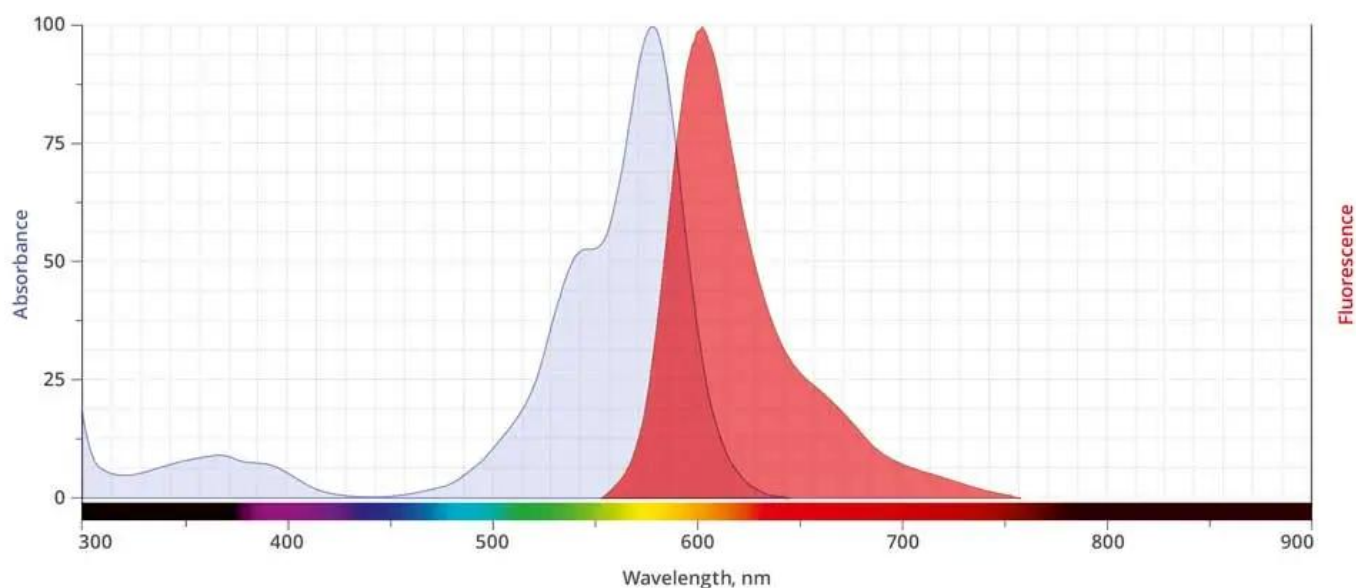
AZDye™ 568 Alkyne is a bright, orange-fluorescent alkyne-activated probe routinely used for imaging of azide-containing biomolecules. AZDye™ 568 Alkyne reacts with azides via a copper-catalyzed click reaction (CuAAC) to form a stable triazole linker.

AZDye 568™ is a bright, and highly photostable, orange-fluorescent probe optimally excited by the 568 nm laser line on the Ar-Kr mixed-gas laser. This probe is water-soluble and its fluorescence is pH independent over a wide pH range. The brightness and photostability of this dye are best suited to direct imaging of low-abundance targets. AZDye™ 568 dye structurally is identical to [Alexa Fluor® 568 Dye](#). Its absorption/emission spectra is a perfect match to spectra of many other fluorescent dyes based on sulfonated rhodamine core, including CF® 568 Dye and Alexa Fluor® 568.

For application where the presence of copper is not acceptable, please consider our [AZDye™ 568 DBCO](#) probes for copper-less detection of azide-modified molecules.

[Alexa Fluor®](#) is a registered trademark of Thermo Fisher Scientific.

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



Abs/Em Spectra

## Specifications

|                                  |                           |
|----------------------------------|---------------------------|
| <b>Unit Size</b>                 | 1 mg, 5 mg, 25 mg         |
| <b>Abs/Em Maxima</b>             | 578/602 nm                |
| <b>Extinction Coefficient</b>    | 88,000                    |
| <b>Flow Cytometry Laser Line</b> | 532 nm or 568 nm          |
| <b>Microscopy Laser Line</b>     | 532 nm or 568 nm          |
| <b>Spectrally Similar Dyes</b>   | Alexa Fluor® 568, CF® 568 |
| <b>Molecular weight</b>          | 731.39 (protonated)       |
| <b>CAS</b>                       | N/A                       |
| <b>Solubility</b>                | Water, DMSO, DMF          |
| <b>Purity</b>                    | >95% (HPLC)               |
| <b>Appearance</b>                | Red solid                 |
| <b>Storage Conditions</b>        | -20°C. Desiccate          |
| <b>Shipping Conditions</b>       | Ambient temperature       |

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