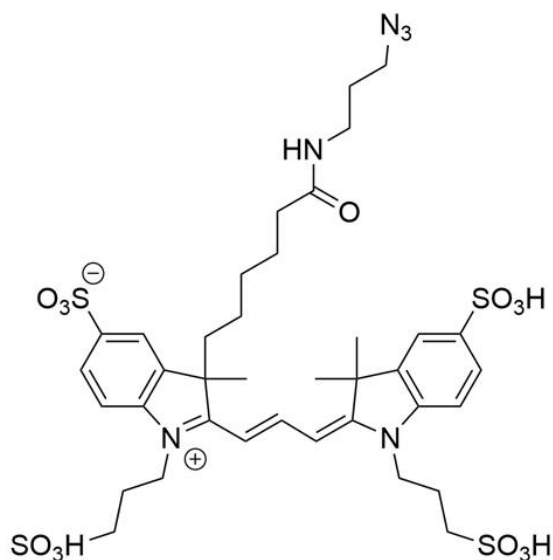


# AZDYE 555 AZIDE

SKU: CCT-1287



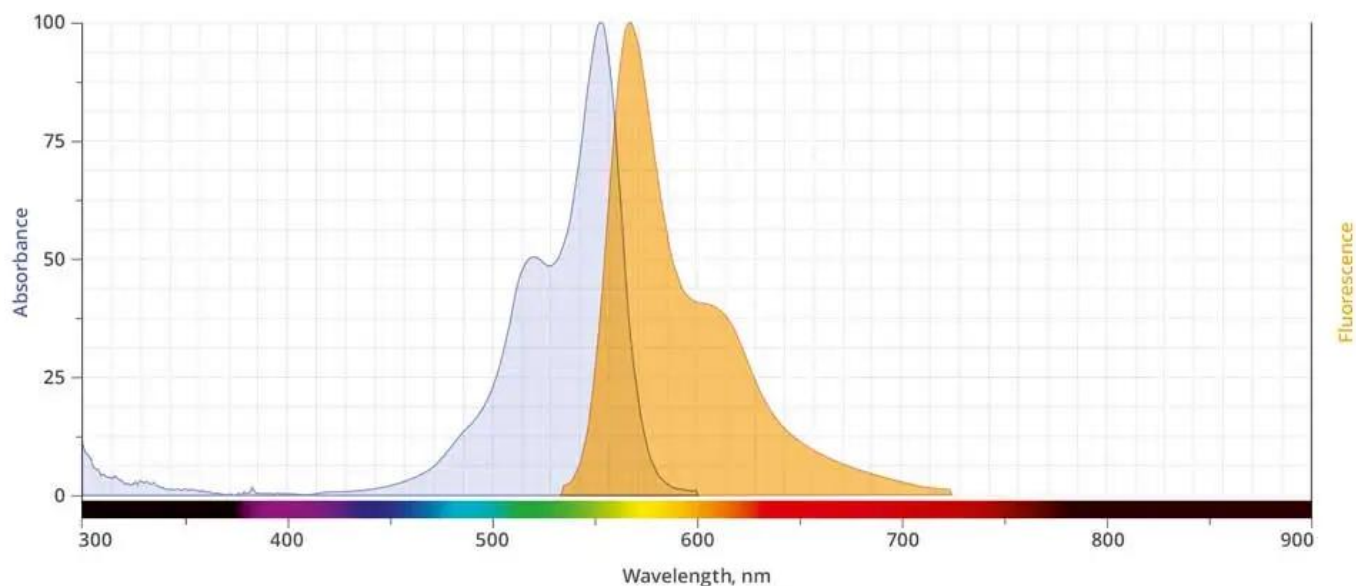
## Description

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 as a less expensive alternative to Alexa Fluor® 555 Azide.

**For research use only. Not intended for animal or human therapeutic or diagnostic use.**



Abs/Em Spectra

## Specifications

<b>Unit Size</b>	1 mg, 5 mg, 25 mg
<b>Abs/Em Maxima</b>	555/572 nm
<b>Extinction Coefficient</b>	155,000
<b>Flow Cytometry Laser Line</b>	532 nm or 555 nm
<b>Microscopy Laser Line</b>	532 nm or 555 nm
<b>Spectrally Similar Dyes</b>	Alexa Fluor® 555, CF® 555, DyLight® 549, Cy3 Dye
<b>Molecular weight</b>	915.08 (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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