www.vectorlabs.com
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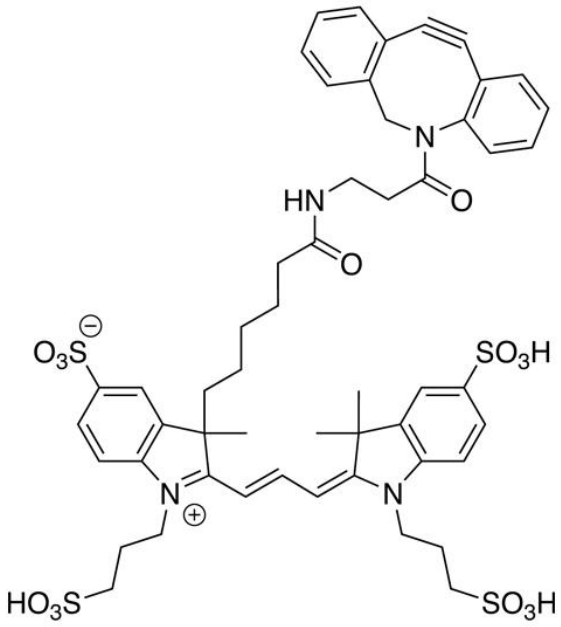
AZDYE 555 DBCO

SKU: CCT-1290



Description

AZDye™ 555 DBCO 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 DBCO is a bright, far-red-fluorescent, probe routinely used for imaging of azide-containing biomolecules without the need for copper catalyst. AZDye™ 555 DBCO reacts with azides via a copper-free “click chemistry” reaction to form a stable triazole and does not require Cu-catalyst or elevated temperatures. In application where the presence of copper is a concern AZDye™ 555 DBCO is an ideal alternative to copper requiring fluorescent alkynes.

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 DBCO can be used as an alternative to Alexa Fluor® 555 sDIBO.

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

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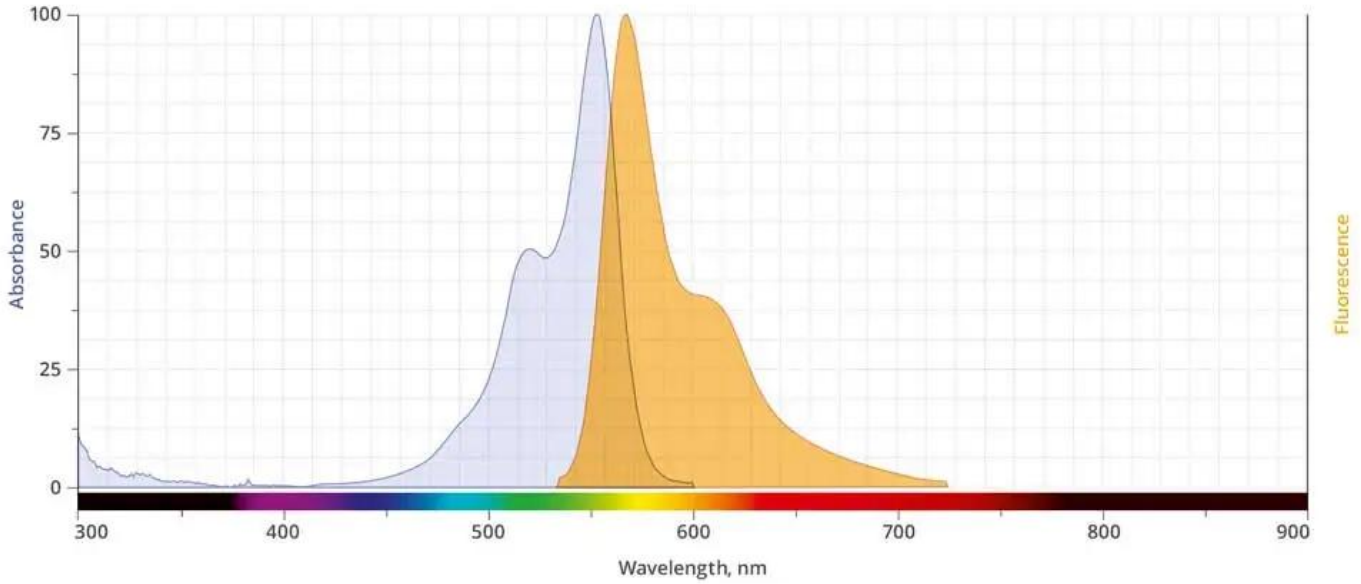

Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg
Abs/Em Maxima	555/572 nm
Extinction Coefficient	155,000
Spectrally Similar Dyes	Alexa Fluor® 555, CF® 555, DyLight® 549, Cy3 Dye
Molecular weight	1091.29
CAS	N/A
Solubility	Water, DMSO, DMF
Purity	>95% (HPLC)
Appearance	Red solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature