

AZDYE 546 DBCO

SKU: CCT-1286



Description

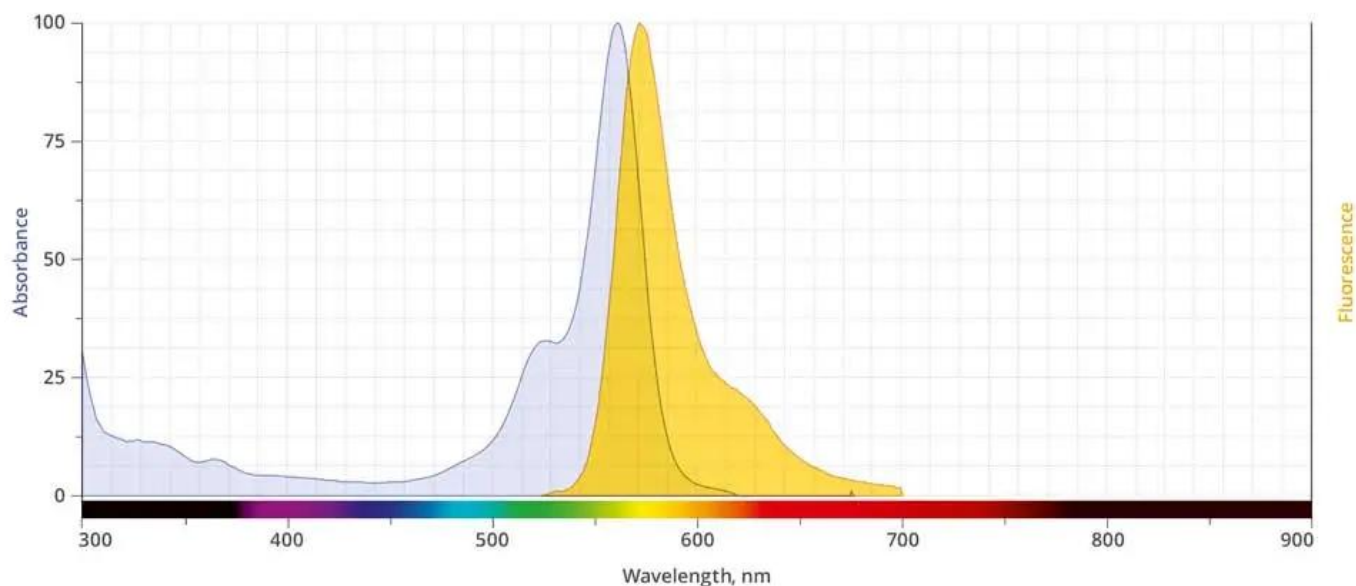
AZDye™ 546 DBCO is an azide reactive probe that can be used for imaging azide-tagged biomolecules via a copper-free “click reaction”. DBCO moiety reacts with azides to form a stable triazole and does not require Cu-catalyst or elevated temperatures. Often a reagent of choice in live cell surface glycans and lipids studies where the presence of cytotoxic copper catalyst is not acceptable. In application where the presence of copper is a concern AZDye™ 546 DBCO is an ideal alternative to copper requiring fluorescent alkynes.

AZDye™ 546 is water-soluble, and pH-insensitive from pH 4 to pH 10 orange-fluorescent dye with absorption and emission maxima at 554 and 570 nm, respectively. It can be used with the 488 nm and 532 nm laser lines. AZDye™ 546 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™ 546 dye is spectrally almost identical [Alexa Fluor® 546, CF 543 and TAMRA](#).

Alexa Fluor® is a registered trademark of Thermo Fisher Scientific.

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



Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg
Abs/Em Maxima	554/570 nm
Extinction Coefficient	110,000
Flow Cytometry Laser Line	532 nm
Microscopy Laser Line	543 nm or 546 nm
Spectrally Similar Dyes	Alexa Fluor® 546, Atto™ 546, CF® 546
Molecular weight	1006.50
CAS	N/A
Solubility	Water, DMSO, DMF
Purity	>95% (HPLC)
Appearance	Red solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature

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