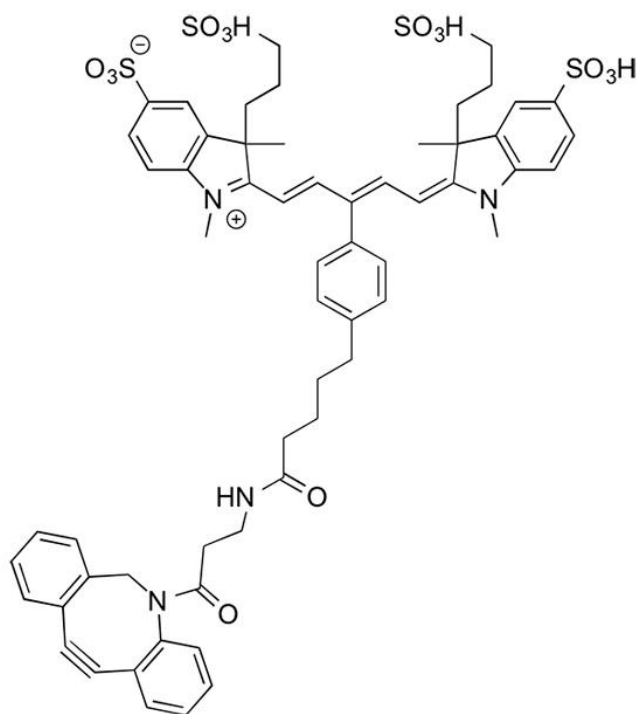


IR 650 DBCO

SKU: FP-1506



Description

633/647



Laser
line

Cy5



Common
filter set

650



Excitation
max

665



Emission
max

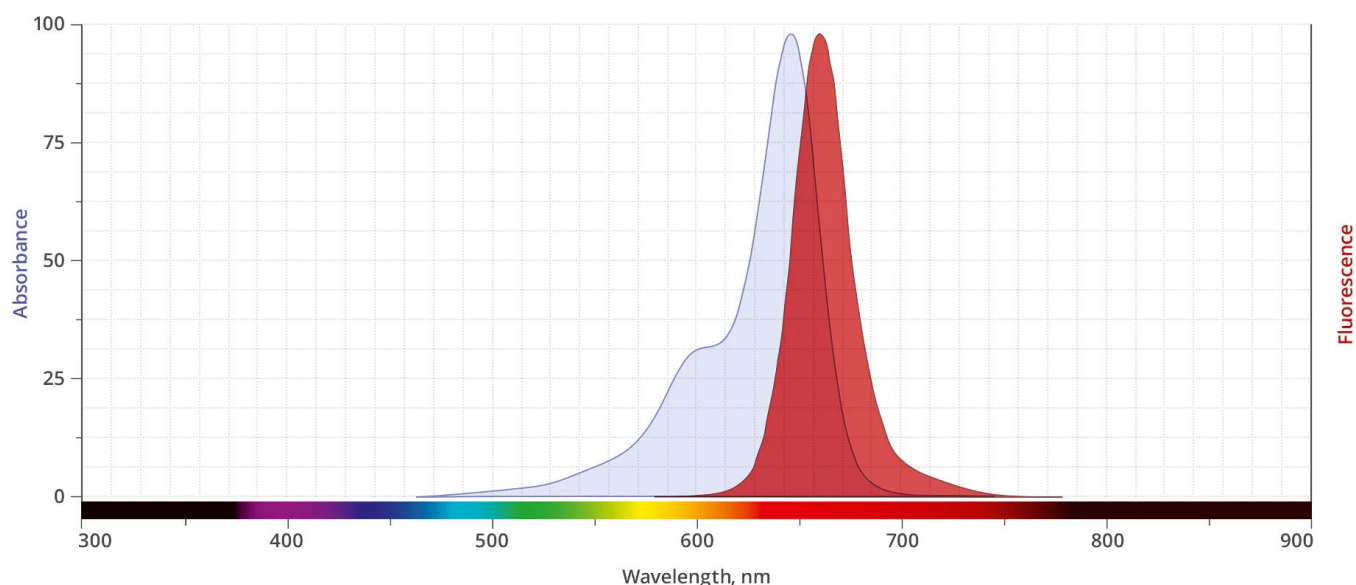
IR 650 DBCO ([IRDye® 650 DBCO](#) analog) is a water-soluble, bright, far-red-fluorescent probe with excitation ideally suited for the 633 nm or 647 nm laser lines. A significant advantage to

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using long wavelength dyes such as Cy5® Dye or [Alexa Fluor® 647 dye](#) over other fluorophores is the low autofluorescence of biological specimens in this region of the spectrum.

IR 650 DBCO is a bright, far-red-fluorescent, pH insensitive azide-reactive probe routinely used for imaging of azide-containing biomolecules without the need for copper catalyst. IR 650 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 IR 650 DBCO is an ideal alternative to copper requiring fluorescent alkynes.

Abs/Em Spectra



Specifications

Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Reactivity	Azide, picolyl azide
Abs/Em Maxima	651/668 nm
Extinction coefficient	230,000 cm ⁻¹ M ⁻¹
Solubility	Water, DMSO, DMF
Spectrally similar dyes	Cy5, Alexa Fluor® 647, DyLight® 649,
Molecular weight	1193.43
Storage Conditions	-20°C.

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