www.vectorlabs.com
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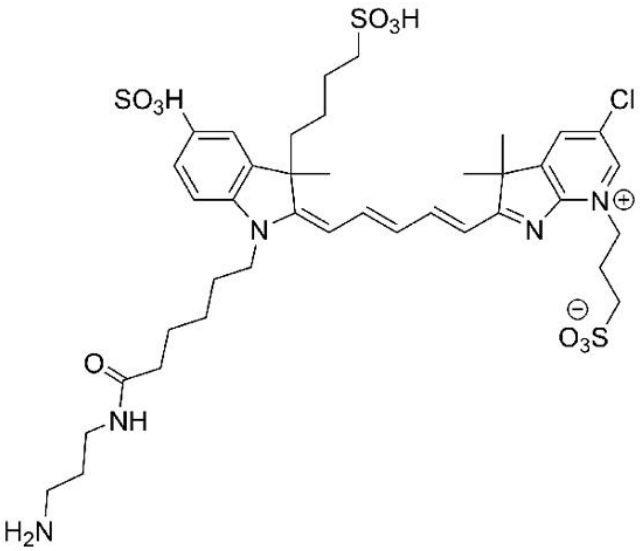
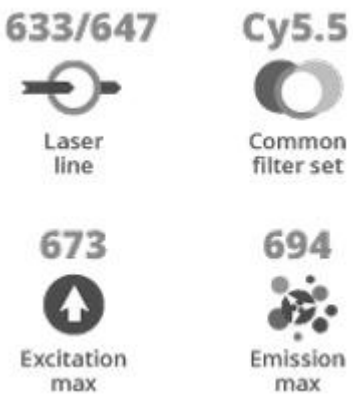
AZDYE 680 AMINE

SKU: FP-1726



DESCRIPTION



AZDye 680 is a bright and photostable near-IR dye that is spectrally identical to Alexa Fluor® 680 and IRDye® 680RD. AZDye 680 is often used for small animal imaging applications in the 700 nm wavelength and provides excellent clearance profiles in animals. Flow cytometry is

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another common application for this dye. AZDye 680 ideally suited for the 633 nm laser line. This near-IR fluorescent dye is water soluble and pH-insensitive from pH 4 to pH 10. AZDye 680 molecules can be attached to proteins at high molar ratios without significant self-quenching, leading to brighter conjugates and more sensitive detection. The long wavelength emission allows for detection in complex samples with auto-fluorescent background signals.

AZDye 680 is a carbonyl reactive building block used to modify carboxylic groups in the presence of activators (e.g. EDC, or DCC) or activated esters (e.g. NHS esters) through a stable amide bond. It also can be employed as a polar tracer, a reactive dye for labeling proteins via a carboxylic acid moiety, and amine donor for enzymatic transamination labeling.

SPECIFICATIONS

Molecular Weight	884.52
Extinction Coefficient	185,000 cm-1M-1
Reactivity	Aldehyde, carboxylic acid, ketone
Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 680, DyLight® 680, IRDye® 680
Excitation/Emission Maximum	678/701 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

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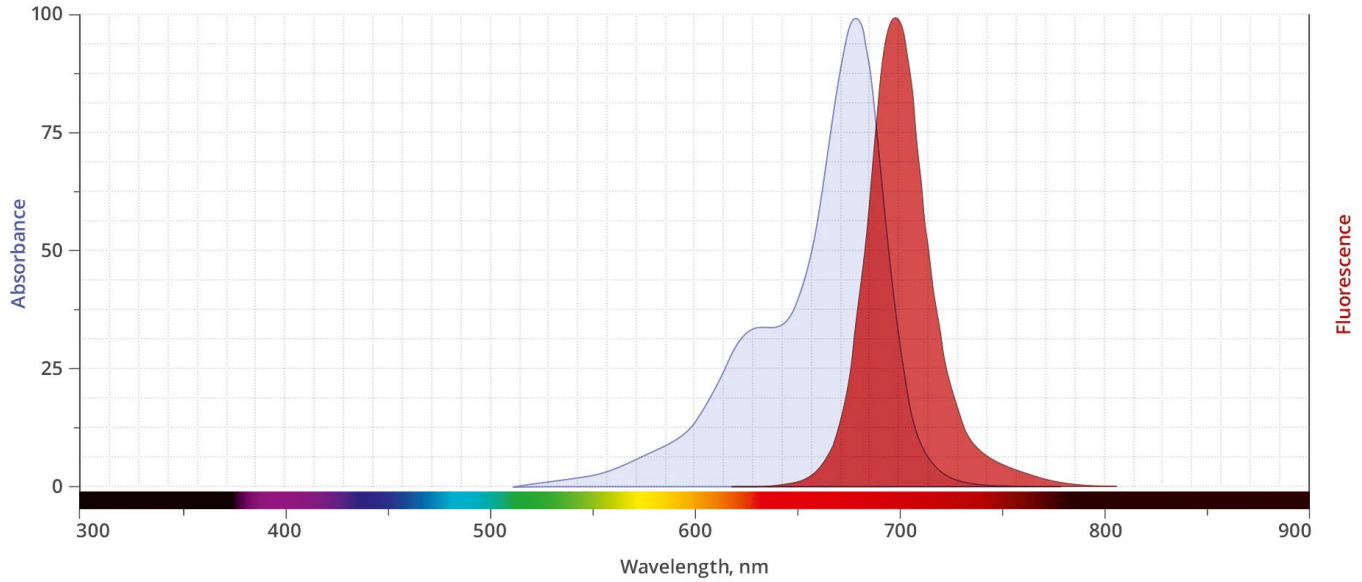
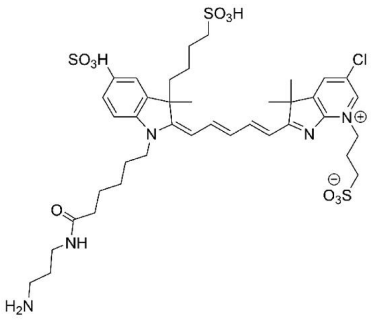


DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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