

Fluorescent Dye 680-I Hydrazide

Catalog # U0255 Size 1 mg

Applications

Maximum Excitation/Emission wavelength: 676/695 nm

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Specification

Product Description	Fluorescent dye that is water-soluble and forms stable Schiff Base with carbonyl group. Fluorescence emission of Fluorescent Dye 680-I Hydrazide is well separated from that of other commonly used red fluorophores, such as TAMRA, Texas Red, Alexa Fluor 594, Fluorescent Dye 594-I, Fluorescent Dye 633-I, Fluorescent Dye 647-I and R-phycoerythrin, making it ideal for multi-color labeling. Besides, their fluorescence is pH-independent from pH 3 to 11.
Spectral Equivalent	Alexa Fluor 680, Cy5.5, IRDye 700
Molar Extinction Coefficient	> 200,000 M ⁻¹ cm ⁻¹
Excitation (Max)	676 nm
Emission (Max)	695 nm
Solubility	DMSO, Water
Purity	> 90%
Regulation Status	For research use only (RUO)
Recommend Usage	Labeling of biological molecules, e.g. Antibody, Protein, for fluorescence imaging and other fluorescence-based biochemical analysis.
Storage Buffer	DMSO

Storage Instruction

Store the product in desiccated environment at -20°C and avoid from light.

Note

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- Conjugation
- Flow Cytometry