Fluorescent Dye 750-I Hydrazide

Catalog # U0261 Size 1 mg

Applications

Maximum Excitation/Emission wavelength: 749/775 nm

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Specification

Product Description	Fluorescent dye that is water-soluble and forms stable Schiff Base with carbonyl group. Compared with Alexa Fluor 750, Fluorescent Dye 750-I is much brighter with absorption at 633nm. Fluorescence emission of Fluorescent Dye 750-I Hydrazide is well separated from that of other commonly used red fluorophores, such as TAMRA, Fluorescent Dye 647-I and R-phycoerythrin, making it ideal for multi-color labeling.
Spectral Equivalent	Alexa Fluor 750, Cy7, DyLight 755
Molar Extinction Coefficient	> 240,000 $M^{-1}cm^{-1}$
Excitation (Max)	749 nm
Emission (Max)	775 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

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Storage Instruction	Store the product in desiccated environment at -20°C and avoid from light.
Note	Maximum Excitation/Emission wavelength: 749/775 nm Maximum Excitation/Emission wavelength: 749/775 nm

Applications

- Flow Cytometry
- Conjugation

Publication Reference

- Repetitive Schistosoma Exposure Causes Perivascular Lung Fibrosis and Persistent Pulmonary Hypertension.

  Rahul Kumar, Michael H Lee, Biruk Kassa, Dara C Fonseca Balladares, Claudia Mickael, Linda Sanders, Adam Andruska, Maya Kumar, Edda Spiekerkoetter, Angela Bandeira, Kurt R Stenmark, Rubin M Tuder, Brian B Graham.

  Clinical Science 2023 Apr; 137(8):617.

  Application: ISH, Mouse, Mouse lung

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