

Fluorescent Dye 555-I Phalloidin

Catalog # U0289

Size 300 Reactions

Applications

Maximum Excitation/Emission wavelength: 555/565 nm

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Specification

Product Description	Fluorescence Dye 555-I with Phalloidin conjugate. Compared with Cy3 conjugates, those of Fluorescence Dye 555-I are slightly red-shifted, resulting in an optimal match to filters designed for Cy3 dyes in accompany with improved photostability. Besides, their fluorescence is pH-independent from pH 3 to 11.
Spectral Equivalent	Alexa Fluor 555, Cy3, DyLight 550, TRITC
Molar Extinction Coefficient	$\geq 100,000\text{M}^{-1}\text{cm}^{-1}$
Excitation (Max)	556 nm
Emission (Max)	574 nm
Solubility	DMSO
Regulation Status	For research use only (RUO)
Recommend Usage	Labeling via Phalloidin 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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Applications

- Conjugation

Publication Reference

- [Quantification of Polystyrene Uptake by Different Cell Lines Using Fluorescence Microscopy and Label-Free Visualization of Intracellular Polystyrene Particles by Raman Microspectroscopic Imaging.](#)

Amelie Roth, Astrid Tannert, Nadja Ziller, Simone Eiserloh, Bianca Göhrig, Rustam R Guliev, María José Gonzalez Vazquez, Max Naumann, Alexander S Mosig, Sven Stengel, Astrid R R Heutelbeck, Ute Neugebauer.

Cells 2024 Mar; 13(5):454.

Application: FME, Human, THP-1, A549, Caco-2 cells

- [Epithelial-myeloid exchange of MHC class II constrains immunity and microbiota composition.](#)

W Zac Stephens, Jason L Kubinak, Arevik Ghazaryan, Kaylyn M Bauer, Rickesha Bell, Kate Buhrke, Tyson R Chiaro, Allison M Weis, William W Tang, Josh K Monts, Ray Soto, H Atakan Ekiz, Ryan M O'Connell, June L Round.

Cell Reports 2021 Nov; 37(5):109916.

Application: IF, IHC-Fr, Mouse, Mouse distal small intestine

- [The synergistic effect of biomimetic electrical stimulation and extracellular-matrix-mimetic nanopattern for upregulating cell activities.](#)

Jin-Young So, Joohyun Lee, Yujin Ahn, Daeseung Kang, Woonggyu Jung, Won-Gyu Bae.

Biosensors & Bioelectronics 2020 Nov; 167:112470.

Application: IF, Mouse, NIH/3T3 cells