Phalloidin eFluor® 570
Catalog Number: 41-6559

Product Information

Contents: Phalloidin eFluor® 570
Catalog Number: 41-6559
Concentration: 1000X

Formulation: Frozen liquid, 300 test size
Temperature Limitation: Store at less than or equal to -20°C. Protect from light and moisture.
Batch Code: Refer to vial
Use By: Refer to vial
Contains sodium azide

Description
Phalloidin is a peptide toxin isolated from the Amanita phalloides mushroom. Phalloidin selectively binds F-actin and functions to stabilize actin polymers by inhibiting the dissociation of actin monomers from the filament ends. Because F-actin polymers compose the cytoskeleton of almost all eukaryotic cells, phalloidin conjugates can be useful probes for visualizing the structure of live or fixed cells using microscopy. Phalloidin eFluor® 570 can be used to label cells of multiple species.

Phalloidin eFluor® 570 is supplied as a frozen liquid. To prepare the 1000X stock solution, thaw the vial, add 30 uL high-quality anhydrous DMSO, mix and briefly spin down. The resulting solution (phalloidin DMSO stock) should be aliquoted, protected from light and moisture, and stored at -20°C. To prepare a 1X working solution of phalloidin conjugate, add 1 uL of 1000X phalloidin DMSO stock solution to 1 mL of PBS containing 1% BSA.

Applications Reported
Phalloidin eFluor® 570 has been reported for use in microscopy, immunohistochemical staining, immunocytochemistry, and cell labeling.

Applications Tested
Phalloidin eFluor® 570 has been tested by staining of fixed and permeabilized cells and can be used at 1X for 20-45 minutes at room temperature. Fixation of cells with methanol-containing fixatives prior to phalloidin staining is not recommended. Optimal staining time may be cell type dependent, it is recommended that the incubation time be determined by each investigator for optimal performance in the assay of interest.

Filter Recommendation: When using this eFluor® 570 conjugate, we recommend a filter that will capture the 570 nm emission wavelength (for example, Excitation 545/25, 565LP, Emission 605/70). A standard Alexa Fluor® 555 or TRITC filter is acceptable.

Special Notes
Staining with Phalloidin eFluor® 570 may be performed at the same time as fluorophore-conjugated antibodies. For best results, visualize phalloidin-stained cells within 1 hour of staining.

References


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Related Products
00-4958 Fluoromount-G™
00-4959 Fluoromount-G™, with DAPI
65-0880 DRAQ5™