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by Thermo Fisher Scientific

eBioscience™ Phalloidin eFluor™ 660

Catalog Number: 50-6559 RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: eBioscience™ Phalloidin eFluor™ 660 Catalog Number: 50-6559 Concentration: 1000X		Formulation: Lyophilized powder, 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
	Contents: eBioscience™ Phalloidin eFluor™ 660 Catalog Number: 50-6559 Concentration: 1000X	Contents: eBioscience ™ Phalloidin eFluor ™660Catalog Number: 50-6559Concentration: 1000X

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® 660 can be used to label cells of multiple species.

Phalloidin eFluor® 660 is supplied as a lyophilized solid and should be prepared by reconstitution with 30 uL highquality anhydrous DMSO to give a 1000X stock solution. The phalloidin DMSO stock solution 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 conjugate DMSO solution to 1 mL of PBS containing 1% BSA.

Applications Reported

Phalloidin eFluor® 660 has been reported for use in microscopy, immunohistochemical staining, immunocytochemistry, and cell labeling.

Applications Tested

Phalloidin eFluor® 660 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.

eFluor® 660 is a replacement for Alexa Fluor® 647.

Filter Recommendation: When using this eFluor® 660 phalloidin conjugate, we recommend a filter that will capture the 659 nm emission wavelength (for example, Excitation 620/60, 6605LP, Emission 700/75). A standard Alexa Fluor® 647 filter is acceptable.

Special Notes

Staining with Phalloidin eFluor® 660 may be performed at the same time as fluorophore-conjugated antibodies. For best results, visualize phalloidin-stained cells within 1 hour of staining.

References

Berrout L, Isokawa M. Ghrelin promotes reorganization of dendritic spines in cultured rat hippocampal slices. Neurosci Lett. 2012 May 16;516(2):280-4.

Saraceno GE, Ayala MV, Badorrey MS, Holubiec M, Romero JI, Galeano P, Barreto G, Giraldez-Alvárez LD, Kölliker-Fres R, Coirini H, Capani F. Effects of perinatal asphysia on rat striatal cytoskeleton. Synapse. 2012 Jan;66(1):9-19.

Volin MV, Huynh N, Klosowska K, Reyes RD, Woods JM. Fractalkine-Induced Endothelial Cell Migration Requires MAP Kinase Signaling. Pathobiology. 2010 February; 77(1): 7–16.

Related Products

00-4958 Fluoromount-G™

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eBioscience[™] Phalloidin eFluor[™] 660

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00-4959 Fluoromount-G™, with DAPI