

For Research Use Only

# CoraLite® Plus 488-Phalloidin (green)

Catalog Number: PF00001



[www.ptglab.com](http://www.ptglab.com)

## Description

Phalloidin is a toxin isolated from mushrooms that binds F-Actin in the cytoskeleton. This product is conjugated to our fluorescent CoraLite(R) dye to stain F-actin for labeling, identifying and quantifying actin filaments in immunostaining studies. Compared to many fluorescent dyes, CoraLite(R) dyes have advantages in brightness, light stability and water solubility. Excitation/Emission maxima wavelengths are 490 nm/515 nm.

## Conjugated

CoraLite® Plus 488-Phalloidin (green)

Ex/Em: 490/515 nm

## Package

300T

## Storage

Store at -20°C. Avoid exposure to light. Stable for 2 years after shipment.

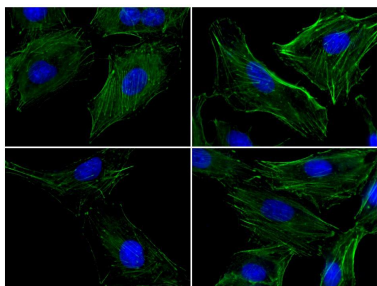
## Stock preparation

Prepare a 200T/mL stock solution by dissolving lyophilized phalloidin (300T) in 1.5 mL sterile water and protect solution from light.

## Cautions

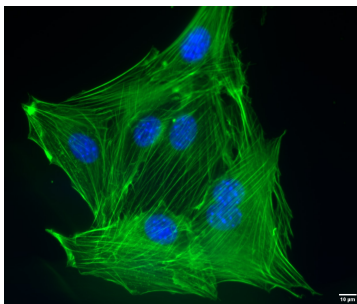
This product is formulated as a freeze-dried powder. Please centrifuge it immediately before use and dissolve it in a suitable solvent before use. Phalloidin is highly toxic, please take protective measures while handling.

## Validation Data



Cell: A549 Green: CL488-Phalloidin Blue: DAPI

Immunofluorescent analysis of (4% PFA) fixed A549 cells using the CoraLite® Plus 488-conjugated Phalloidin antibody, CL488-Phalloidin, at dilution of 1:400. The nuclei were counterstained with DAPI.



**CL488-Phalloidin staining in NIH3T3:** NIH3T3 mouse fibroblasts. 1:50 dilution of CoraLite® Plus 488-Phalloidin. Nuclei are stained with Hoechst 33342. Scale bar is 10  $\mu$ m. Images taken by Katarzyna Szymanska-DeWijs from Hannover Medical School.

For technical support and original validation data for this product please contact

T: 1 (888) 4PTGLAB(1-888-478-4522)(toll free in USA), or  
1(312) 455-8498(outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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