For Research Use Only

CoraLite® Plus 488-Phalloidin (green)

Catalog Number: PF00001

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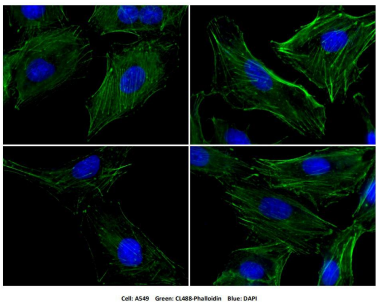
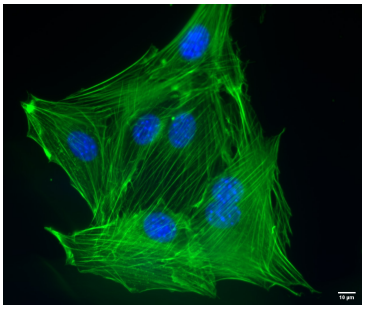
Description	Phalloidin is a toxin isolated from mushrooms that binds F-Actin in the cytoskeleton. This product is conjugated to our fluorescent CoraLite(R) dye to stain F-actin for labeling, identifying and quantifying actin filaments in immunostaining studies. Compared to many fluorescent dyes, CoraLite(R) 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



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 um. Images taken by Katarzyna Szymanksa-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
W: ptglab.com