

Phalloidin Reagent

Phalloidin - AF488

CATALOG #
AAA266233

APPLICATIONS
Immunofluorescence

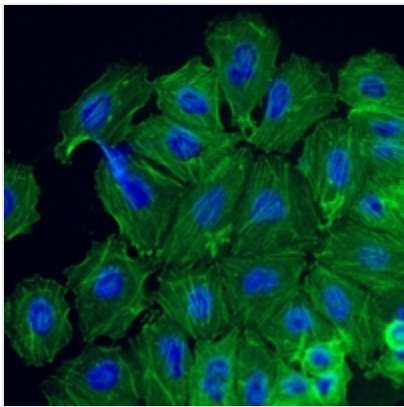
PRODUCT SYNONYMS

Phalloidin; Phalloidin - AF488; Phalloidin reagent

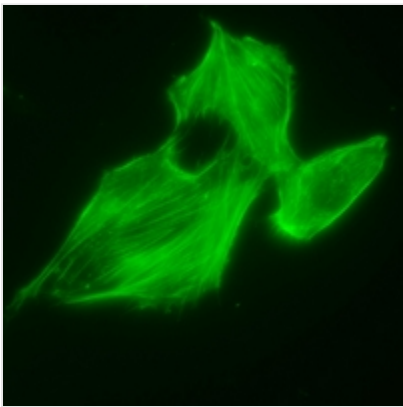
PRODUCT SPECIFICATIONS

Form/Format	This product is lyophilized powder, and it is difficult to observe the trace amount. Please centrifuge before use, and add appropriate solvent to dissolve it. The solution after dissolution is almost transparent.
Applicable Applications for Phalloidin reagent	IF (Immunofluorescence)
Samples	formaldehyde-fixed, permeabilized tissue sections, cell cultures or cellfree experiments
Conjugation	AF488
Directions for Use	Staining fixed cellsThe following protocol describes the staining procedure for adherent cells grown on glass coverslips or 8-well chamber slides. Phalloidins also can be used to stain fixed frozen or paraffin tissue sections, as well as yeast and fungi. 1. Wash cells 3 times with PBS. 2. Fix cells on ice with 4% formaldehyde solution in PBS for 15 minutes. Note: Methanol can disrupt actin during the fixation process. Therefore, it is best to avoid any methanol containing fixatives or other solvent-based fixatives. The preferred fixative is methanol-free formaldehyde. 3. Wash cells 3 times with PBS. 4. Permeabilize cells with 0.5% Triton X-100 in PBS at room temperature for 10 minutes. 5. Wash cells 3 times with PBS. 6. Dilute 1-5 ul fluorescent phalloidin stock solution in 200 ul PBS for each cover slip or chamber to be stained. Place the staining solution on the coverslip for 20 minutes at room temperature.Note?Staining volume can be adjusted according to the sample. To avoid evaporation, keep the coverslips inside a covered container and the chamber slides covered during the incubation. 7. Wash 2-3 times with PBS. 8. Image using fluorescence microscopy. Fluorescent phalloidins are photostable enough to image in PBS, but for best results we recommend mounting with antifade mounting medium.Staining living cellsFluorescently-labeled phalloidin is not cell-permeant and has therefore has not been used extensively with living cells. However, living cells have been labeled by pinocytosis or unknown mechanism. In general, a larger amount of stain will be needed for staining living cells. Alternatively, ?uorescent phalloidins have also been injected into cells for monitoring actin distribution and cell motility.
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C and protect from light for 12 months.

IMAGES



Application Data
Actin filaments (green) were stained with Phalloidin - AF488



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ADDITIONAL INFORMATION

Related Product Information for Phalloidin reagent	AF488 labled Phalloidin bind to F-actin
Product Categories/Family for Phalloidin reagent	Reagents

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/reagent/phalloidin/266233>