

Product datasheet

Phalloidin-iFluor 555 Reagent ab176756

★★★★☆ 3 Abreviews 33 References 3 Images

Overview

**Product name** Phalloidin-iFluor 555 Reagent  
**Sample type** Adherent cells, Suspension cells  
**Assay type** Cell-based (qualitative)  
**Product overview** Phalloidin-iFluor 555 Reagent (ab176756) is one of a series of phalloidin conjugates that bind to actin filaments, also known as F-actin. Phalloidin-iFluor 555 can be detected with a fluorescent microscope at Ex/Em = 556/574 nm.

Phalloidin conjugates are convenient probes for labeling, identifying and quantifying animal or plant actin filaments in formaldehyde-fixed and permeabilized tissue sections, cell cultures or cell-free experiments. They can also be used in paraffin-embedded samples that have been deparaffinized.

Review other popular phalloidin dye conjugates, including [Phalloidin-iFluor 488](#), [Phalloidin-iFluor 647](#), [Phalloidin-iFluor 594](#), and [Rhodamine Phalloidin](#), search the website to see [all phalloidin conjugates](#), or read the [phalloidin staining protocol](#).

**Notes** Staining fixed cell or tissue samples with phalloidin conjugates is very simple; it requires a single 20-90 min incubation with the phalloidin, followed by 3 short wash steps. Phalloidin staining can be combined with antibody-based staining by adding the phalloidin conjugate during either the primary or secondary antibody incubation step.

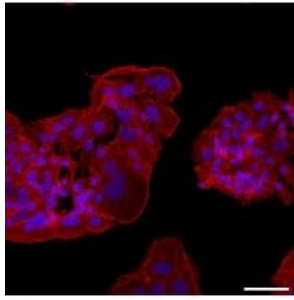
When used in unfixed samples, phalloidin binding leads to a decrease in the disassociation rate of actin subunits from the ends of actin filaments, essentially stabilizing actin filaments through the prevention of filament depolymerisation.

**Platform** Fluorescence microscope

Properties

**Storage instructions** Store at -20°C. Please refer to protocols.

Components	300 tests
Phalloidin-iFluor 555 Conjugate	1 x 300 tests

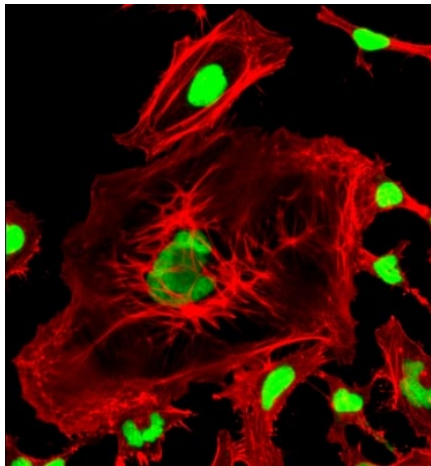


Wong, Michael K et al.  
PloS one vol. 13,6  
e0199632. (2018)

Immunofluorescent images of Phalloidin staining at day 3 across various surface thicknesses. Red fluorescence indicates phalloidin staining for F-actin and blue fluorescence indicates DAPI staining for cell nuclei.

Functional Studies - Phalloidin-iFluor 555 Reagent  
(ab176756)

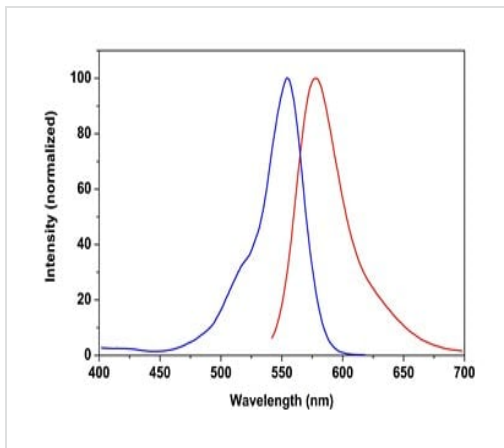
Wong, Michael K et al., PloS one?vol. 13,6 e0199632.,  
Fig 6, doi:10.1371/journal.pone.0199632



CytoPainter Phalloidin-iFluor 555 Reagent  
(ab176756)

Actin filaments staining in HeLa cells. Actin filaments (red) were stained with CytoPainter Phalloidin-iFluor 555 reagent ([ab176755](#)). Nuclei were stained with [Nuclear Green DCS1 \(ab138905\)](#).

Excitation and emission of phalloidin-iFluor 555 reagent.



CytoPainter Phalloidin-iFluor 555 Reagent  
(ab176756)

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