

For Research Use Only

# Spot-Label® Alexa Fluor® 647



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

Catalog Number: **ebAF647**

## Basic Information

**Catalog Number:**  
ebAF647

**Applications:**  
IF

**Host:**  
Alpaca

**Conjugate:**  
Alexa Fluor® 647

**Type:**  
Nanobody; Primary antibody

**Class:**  
Recombinant

**RRID:**  
AB\_2889376

## Description

anti-Spot-Tag VHH/ Nanobody conjugated to fluorescent dye for immunofluorescence, microscopy, and immunoblotting of Spot-tagged proteins.

## Specificity/Target

Spot-Tag® (PDRVRAVSHWSS)

## Physical State

Liquid

## Suggested Dilution

IF: 1:800

## DOL

1 fluorophore per bivalent Nanobody, site-directed conjugation

## Affinity ( $K_D$ )

Dissociation constant  $K_D$  of 6 nM

## Storage

**Storage:**

Shipped at ambient temperature. Store at -20°C/-4°F. Stable for 6 month. Protect from light.

**Storage Buffer:**

PBS, 5 mM EDTA, preservative: 0.09 % sodium azide

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

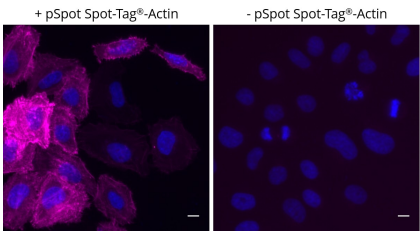
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1(312) 455-8498 (outside USA) W: [www.ptglab.com](http://www.ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

	Spot-Trap	Spot-Cap	Spot-Label	Spot V <sub>H</sub> H
Immunoprecipitation (IP) / Co-IP / Co-IP/MS	✓			
Protein purification		✓		
Western Blotting			✓	✓
Immunofluorescence			✓	✓

SPOT tag related products



Left: HeLa cells transiently expressing pSpot Spot-Tag?-Actin (ev-31) were immunostained with Spot-Label? Alexa Fluor? 647 (magenta, ebAF647, 1:800) and DAPI (blue). Right: Control staining, no background noise; HeLa cells without pSpot Spot-Tag?-Actin expression were immunostained with Spot-Label? Alexa Fluor? 647 (magenta, ebAF647, 1:800) and DAPI (blue). Scale bar, 10  $\mu$ m. Images were acquired with the Thermo Scientific CellInsight CX7, 20X objective.