

For Research Use Only

# RFP-Trap® Magnetic Particles M-270, Kit for Immunoprecipitation



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Catalog Number: rtdk

1 Publications

## Basic Information

**Catalog Number:**  
rtdk

**Applications:**  
IP, CoIP, ChIP, RIP

**Conjugate:**  
Magnetic Particles M-270, size: 2.8 µm<br>high throughput-compatible

**Host:**  
Alpaca

**Type:**  
Nanobody

**Class:**  
Recombinant

## Description

RFP-Trap® Magnetic Particles M-270 for immunoprecipitation (IP) of RFP-tagged proteins. RFP-Trap Magnetic Particles M-270 is highly recommended, when very large proteins/complexes are investigated, and magnetic separation is needed for IP. It consists of a RFP VHH/ Nanobody coupled to Magnetic Particles M-270.

## Binding capacity

1.25 µg of recombinant mCherry per 25 µL bead slurry

## Specificity/Target

mRFP, mCherry, mRFPruby, mPlum, tagRFP, mKate2, mOrange, PA-mCherry, mScarlet  
For the complete list, please click here: [Fluorescent protein specificity table](#)

## Elution buffer

SDS sample buffer  
0.2 M glycine pH 2.5

## Affinity (K<sub>D</sub>)

Dissociation constant K<sub>D</sub> of 5 nM

## Storage

**Storage:**

Shipped at ambient temperature. Upon receipt store at 4°C. Stable for one year. Do not freeze!

**Storage Buffer:**

PBS with 0.09% sodium azide

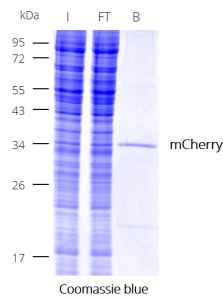
For technical support and original validation data for this product please contact:

T: 4006900926

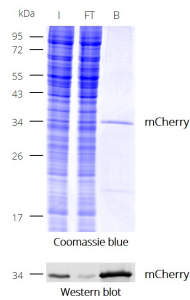
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

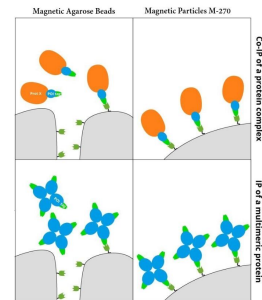
Selected Validation Data



Immunoprecipitation (IP) of mCherry with RFP-Trap Magnetic Particles M-270. I: Input, FT: Flow-Through, B: Bound



Coomassie and Western blot to show the effectivity of immunoprecipitation (IP) of mCherry with RFP-Trap Magnetic Particles M-270. I: Input, FT: Flow-Through, B: Bound



Cartoon to visualize the binding of large GFP-fusion proteins (GFP (green) + protein of interest (POI, blue) with interacting partner X (Prot X, orange) or multimeric proteins (GFP (green) + protein of interest (POI, blue) to the GFP VHH (dark green) of GFP-Trap Magnetic Agarose or GFP-Trap Magnetic Particles M-270.