

Catalog Number: rtd

8 Publications

Basic Information

Catalog Number:
rtd**Applications:**
IP, CoIP, ChIP, RIP**Conjugate:**
Magnetic Particles M-270, size: 2.8 µm
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_D)

Dissociation constant K_D of 5 nM

Storage

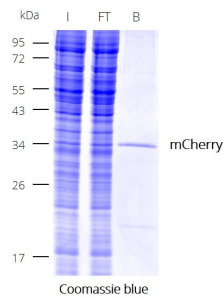
Storage:

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

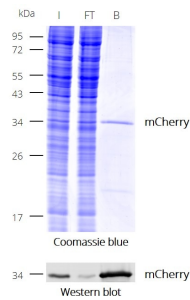
Storage Buffer:

PBS with 0.09% sodium azide

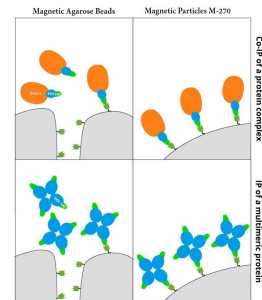
Selected Validation Data



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.