

Catalog Number: etd

1 Publications

Basic Information

Catalog Number:
etd**Applications:**
IP, CoIP, ChIP, RIP**Conjugate:**
Magnetic Particles M-270, size: 2.8 µm
high throughput-compatible**Host:**
Alpaca**Type:**
Nanobody**Class:**
Recombinant

Description

Spot-Trap® Magnetic Particles M-270 are affinity beads for immunoprecipitation (IP) of Spot-tagged proteins. It comprises an anti-Spot-Tag® VHH/ Nanobody coupled to Magnetic Particles M-270.

Binding capacity

2.25 µg of recombinant Spot-tagged protein (~30 kDa) per 25 µL bead slurry

Specificity/Target

Spot-Tag® sequence PDRVRAVSHWSS

Elution buffer

SDS sample buffer
10 mM NaOH pH 12

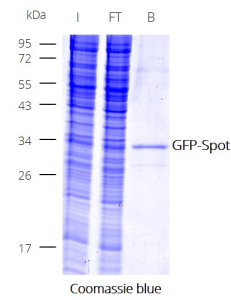
Affinity (K_D)

Dissociation constant K_D of 6 nM

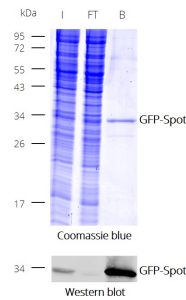
Storage

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



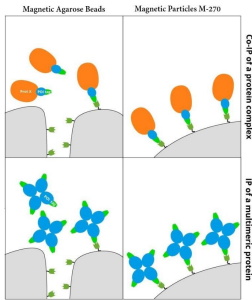
Spot-Trap Magnetic Particles M-270 pull-down.



Immunoprecipitation (IP) of GFP with Spot-Trap Magnetic Particles M-270: Coomassie and Western blot (I: Input, FT: Flow-Through, B: Bound).

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

Application of Spot-tag related products.



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