

Catalog Number: otd

Basic Information

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

Description

The ChromoTek Halo-Trap Magnetic Particles M-270 consists of an anti-Halo-tag Nanobody (VHH), which is covalently bound to Magnetic Particles M-270. Halo-Trap Magnetic Particles M-270 is used to immunoprecipitate Halo-tag proteins from cell extracts of various organisms like mammals, plants, bacteria, yeast, insects etc. in the presence or absence of a covalently bound ligand. The interaction between Halo-Trap and the Halo-tag protein is reversible.

Binding capacity

1.25 µg of recombinant Halo-tag per 25 µL bead slurry

Specificity/Target

Halo-tag (modified variant of the bacterial haloalkane dehalogenase enzyme from *Rhodococcus rhodochrous*) in the absence or presence of covalently bound chloroalkane-based ligands.

Elution buffer

SDS sample buffer
0.2 M glycine pH 2.5

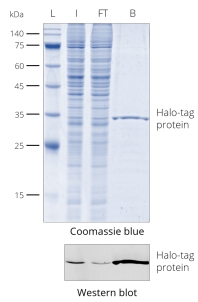
Affinity (K_D)

Dissociation constant K_D of 2 nM

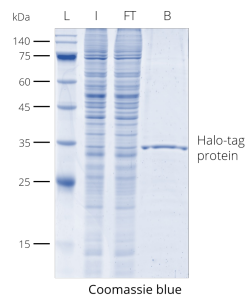
Storage

Storage:
Upon receipt store at +4°C. Do not freeze!**Storage Buffer:**
PBS with 0.09% sodium azide

Selected Validation Data



Halo-Trap Magnetic Particles M-270 was used for immunoprecipitation of Halo-tag protein from HEK293T cell lysate and elution with 2x SDS-sample buffer. Coomassie blue staining shows elution of enriched Halo-tag protein. Western blot was probed with Halo antibody [28A8] (28a8) and Nano-Secondary® alpaca anti-mouse IgG1, recombinant VHH, Alexa Fluor® 488 [CTK0103, CTK0104] (sms1AF488-1). L: Prestained protein marker (Proteintech, PL00001), I: Input, FT: Flow-Through, B: Bound.



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