For Research Use Only

HA-Trap Magnetic Particles M-270, Kit for Immunoprecipitation

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Catalog Number: atdk

Basic Information

Catalog Number:
atdk

Applications:
IP, Co-IP

Conjugate:
Magnetic Particles, M-270, size: 2.8 μm

Host:
Alpaca

Type:
Nanobody

Class:
Recombinant

Description

The HA-Trap Magnetic Particles M-270 Kit is a ready-to-use reagent for the IP of HA-tagged proteins. It consists of an anti-HA-tag Nanobody/VHH coupled to magnetic particles M-270, along with lysis, wash, and elution buffers to use in the IP process. It is highly recommended when very large proteins/complexes are being investigated.

Specificity/Target

Binds specifically to the HA-tag (sequence YPYDVPDYA) fused to a protein of interest at N-, C- or internal position. Please note that the affinity is highest for a C-terminal fusion. There is no cross-reactivity to other common peptide tags such as the His6-tag, FLAG-tag, Spot-Tag, V5-tag, Strep-tag, or C-tag (other tags not tested). Background binding to host cell proteins from a range of organisms such as human, mouse and dog cell lines or yeast and plants is low.

Elution buffer

2x SDS-sample buffer (Lammli)

Affinity (K_D)

6 nM for C-terminal HA-tags and ca. 180 nM for N-terminal fusions.

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:

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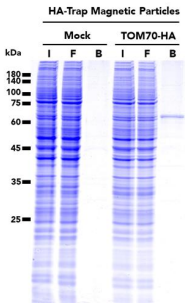
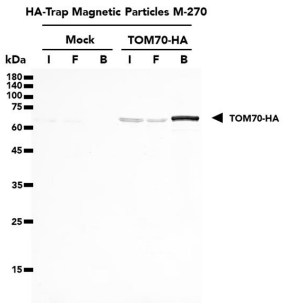
Selected Validation Data



The HA-Trap Magnetic Particles M-270 Kit was used to immunoprecipitate TOM70-HA fusion protein from either untransfected (mock) HEK293T cells or HEK293T cell transfected with full-length TOM70-HA construct. SDS-PAGE analysis was done on samples from the Input (I), Flow-through (F), Bound (B) fractions.



WB detection of TOM70-HA fusion protein following immunoprecipitation with HA-Trap Magnetic Particles M-270 Kit from either untransfected (mock) HEK293T cells or HEK293T cells transfected with full-length TOM70-HA construct. Samples from the Input (I), Flow-Through (F), and Bound (B) fractions were used in the WB analysis. Detection was completed using TOM70 Monoclonal Antibody (66593-1-Ig) and Multi-rAb HRP-Goat Anti-Mouse Recombinant Secondary Antibody (RGAM001).