For Research Use Only

HA-Trap Magnetic Agarose, Kit for Immunoprecipitation

www.ptglab.com

Catalog Number: atmak

Basic Information

Catalog Number:
atmak

Applications:
IP, Co-IP

Conjugate:
Magnetic agarose beads; ~40 um (cross-linked 6% magnetic agarose beads)

Host:
Alpaca

Type:
Nanobody

Class:
Recombinant

Description

The HA-Trap Magnetic Agarose 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 agarose beads, along with lysis, wash, and elution buffers to use in the IP process.

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

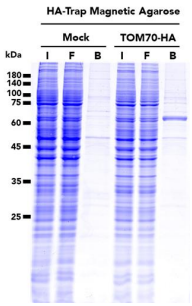
Storage:
Shipped at ambient temperature. Upon receipt store at +4°C. Stable for one year. DO not freeze!

Storage Buffer:
20% ethanol

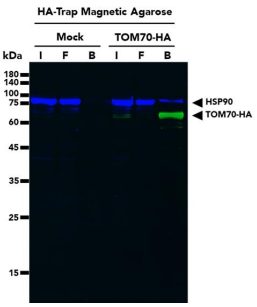
For technical support and original validation data for this product please contact

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: www.ptglab.com

Selected Validation Data



The HA-Trap Magnetic Agarose 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.



Co-IP using HA-Trap Magnetic Agarose Kit followed by multiplexed WB of TOM70-HA and HSP90 proteins from untransfected (mock) HEK293T cells and HEK293T cells transfected with full-length TOM70-HA construct. WB analysis was done on samples from the Input (I), Flow-through (F) and Bound (B) fractions of the IP. TOM70 Monoclonal Antibody (66593-1-Ig), Multi-rAB CoraLite Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (RGAM002), HSP90 Polyclonal Antibody (13171-1-AP), and Multi-rAb CoraLite Plus 750-Goat Anti Rabbit Recombinant Secondary Antibody (RGAR006) were used in the WB analysis.