

Catalog Number: hfma

## Basic Information

**Catalog Number:**  
hfma

**Applications:**  
IP, Co-IP

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

**Host:**  
Mouse

**Type:**  
Fab-fragment

**Class:**  
Recombinant

## Description

The ChromoTek His Fab-Trap® Magnetic Agarose consists of an anti-His-tag Fab fragment, which is covalently bound to magnetic agarose beads. It can be used for the immunoprecipitation of proteins fused to the His-tag from cell extracts of various organisms.

## Specificity/Target

Binds specifically to the His-tag (also known as hexahistidine or His6-tag) fused to a protein of interest at N-, C- or internal position. Please note that the affinity is highest for a C-terminal fusion (dissociation constant  $K_D$  of 10 nM for a C-terminal His-tag and 220 nM for an N-terminal His-tag).

## Elution buffer

2x SDS-sample buffer (Lämmli), 200 mM glycine pH 2.5 or 100 µM His-Peptide

## Affinity ( $K_D$ )

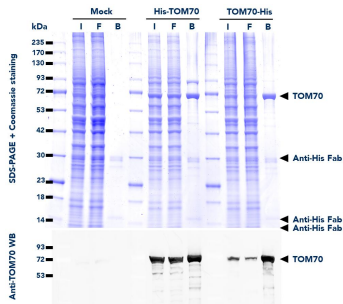
10 nM for a C-terminal His-tag and 220 nM for a N-terminal His-tag

## Storage

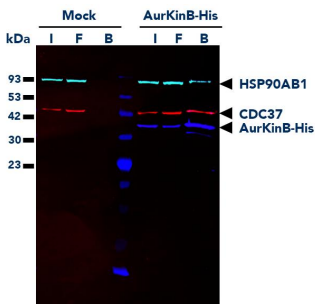
**Storage:**  
Shipped at ambient temperature. Upon receipt store at +4°C. Stable for one year. Do not freeze!

**Storage Buffer:**  
PBS pH 7.4. Preservative: 0.09% sodium azide

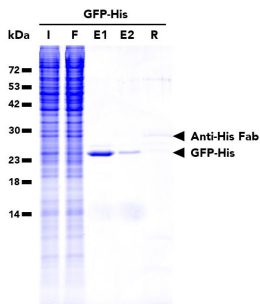
Selected Validation Data



IP using His Fab-Trap® Magnetic Agarose (hfma) from untransfected HEK293T (mock) and HEK293T cells transfected with either His-TOM70 or TOM70-His fusion proteins. WB detection of TOM70 protein was also done on samples from the Input (I), Flow-Through (F), and Bound (B) fractions using Anti-TOM70 Polyclonal Antibody (14528-1-AP) and ChromoTek Nano-Secondary alpaca anti-rabbit IgG, CoraLite Plus 488 (srb2GCL488-1).



His Fab-Trap® Magnetic Agarose (hfma) was used for the Co-IP of AurKinB-His fusion protein and interacting partners from untransfected (mock) and transfected HEK293T cells. Multiplexed WB was done on Input (I), Flow-Through (F), and Bound (B) fractions of the IP. Detection was completed using His-tag Monoclonal Antibody (66005-1-Ig) labeled with FlexAble CoraLite Plus 647 Kit for Mouse IgG (KFA023), CDC37 Monoclonal Antibody (66420-1-Ig) labeled with FlexAble CoraLite Plus 750 Kit for Mouse IgG2a (KFA044), and HSP90AB1 Monoclonal Antibody (67450-1-Ig) labeled with FlexAble CoraLite Plus 488 Kit for Mouse IgG2b (KFA061).



IP of GFP-His fusion protein from transfected HEK293T cell using His Fab-Trap® Magnetic Agarose (hfma) followed by a two-step elution with His-Peptide (hp). I: Input, F: Flow-Through, E1: 1st elution, E2: 2nd elution, R: Residual.