

Catalog Number: ffa

48 Publications

Basic Information

Catalog Number:

ffa

Applications:

IP, CoIP, ChIP, RIP, Protein purification

Conjugate:

Agarose beads; bead size: ~ 90 µm (cross-linked 4 % agarose beads)

Host:

Mouse

Type:

Fab-fragment

Class:

Recombinant

Description

The ChromoTek DYKDDDDK Fab-Trap® Agarose consists of an anti-DYKDDDDK-tag Fab-fragment, which is covalently bound to agarose beads. DYKDDDDK Fab-Trap® Agarose is used to immunoprecipitate 1x and 3x DYKDDDDK-tagged fusion proteins from cell extracts of various organisms like mammals, plants, bacteria, yeast, insects etc.

Binding capacity

12.5 - 15 µg of recombinant 3x DYKDDDDK-tagged protein (~30 kDa) per 25 µL bead slurry

Specificity/Target

The DYKDDDDK Fab-Trap® Agarose specifically binds to 1x and 3x DYKDDDDK-tag sequence (1x and 3x Flag®-tag). It binds to same epitope as Sigma's Anti-FLAG® Antibody and is compatible with N-, C-terminal or internal tagging.

Elution buffer

3x DYKDDDDK-peptide
SDS sample buffer
0.2 M glycine pH 2.5

Storage

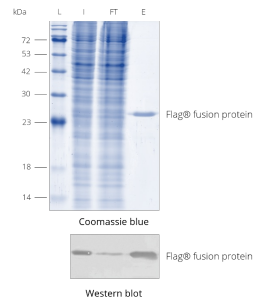
Storage:

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

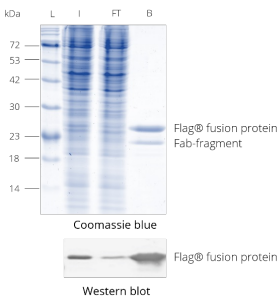
Storage Buffer:

1x PBS, Preservative: 0.09 % sodium azide

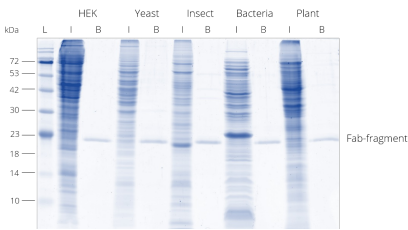
Selected Validation Data



DYKDDDDK Fab-Trap® was used for immunoprecipitation of Flag®-tagged protein from HEK293T cell lysate. During elution with 3x DYKDDDDK-peptide (fp-1) the enriched Flag® fusion protein is released from DYKDDDDK Fab-Trap™. Western blot was probed with DYKDDDDK tag Polyclonal antibody (Binds to FLAG® tag epitope) (Proteintech, 20543-1-AP) and Nano-Secondary® alpaca anti-human IgG/anti-rabbit IgG, recombinant VHH, Alexa Fluor® 488 [CTK0101, CTK0102] (srbAF488-1). L: Prestained protein marker (Proteintech, PL00001), I: Input, FT: Flow-Through, E: Elution.



DYKDDDDK Fab-Trap® was used for immunoprecipitation of Flag®-tagged protein from HEK293T cell lysate. During elution with 2x SDS-sample buffer the enriched Flag® fusion protein and Fab-fragment are released from DYKDDDDK Fab-Trap™. Western blot was probed with DYKDDDDK tag Polyclonal antibody (Binds to FLAG® tag epitope) (Proteintech, 20543-1-AP) and Nano-Secondary® alpaca anti-human IgG/anti-rabbit IgG, recombinant VHH, Alexa Fluor® 488 [CTK0101, CTK0102] (srbAF488-1). L: Prestained protein marker (Proteintech, PL00001), I: Input, FT: Flow-Through, B: Bound.



Analysis of unspecific binding of endogenous proteins to the DYKDDDDK Fab-Trap® in the absence of Flag® fusion protein. Lysates devoid of Flag® fusion protein from HEK cells (HEK293T), Yeast (*Saccharomyces cerevisiae*), Insect cells (HighFive), Bacteria (*Escherichia coli* TG1), and Plant (*Arabidopsis thaliana*) were subjected to immunoprecipitation with DYKDDDDK Fab-Trap™ and elution with 2x SDS-sample buffer. SDS-PAGE analysis shows elution of Fab-fragment only without contamination of endogenous proteins. L: Prestained protein marker (Proteintech, PL00001), I: Input, B: Bound.