

Catalog Number: v5tma

30 Publications

Basic Information

Catalog Number:
v5tma**Applications:**
IP, CoIP, ChIP, RIP, Protein purification**Conjugate:**
Magnetic agarose beads; bead size: ~40 µm (cross-linked 6 % magnetic agarose beads)**Host:**
Alpaca**Type:**
Nanobody**Class:**
Recombinant

Description

The ChromoTek V5-Trap® Magnetic Agarose is an affinity resin for IP of V5-tagged proteins. It consists of a anti V5 Nanobody/VHH coupled to magnetic agarose beads.

Binding capacity

17.5 µg of recombinant V5-tagged protein (~30 kDa) per 25 µL bead slurry

Specificity/Target

V5-tag sequence GKPIPNPLLGLDST at the N-terminus, C-terminus, or internal site of the fusion protein.

Elution buffer

V5-peptide
SDS sample buffer
0.2 M glycine pH 2.5

Affinity (K_D)

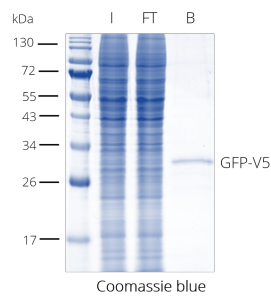
Dissociation constant K_D of 40 nM

Storage

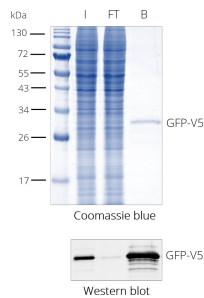
Storage:
Shipped at ambient temperature. Upon receipt store at 4°C. Stable for one year. Do not freeze!

Storage Buffer:
20% ethanol

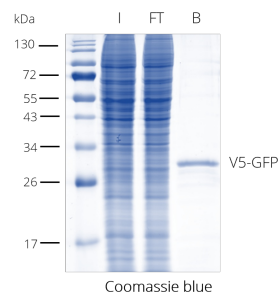
Selected Validation Data



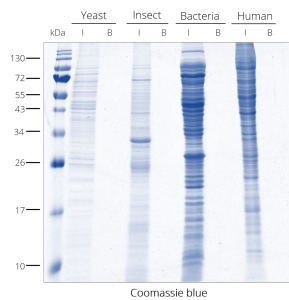
V5-Trap® Magnetic Agarose for immunoprecipitation of V5-tagged proteins. The V5-tag is C-terminal. I: Input, FT: Flow-through, B: Bound.



Pulldown of V5-tagged protein (V5-tag at C-terminus) with V5-Trap® Magnetic Agarose beads, Coomassie and Western blot. Western blot: V5-tag antibody [SV5-P-K], monoclonal mouse IgG1 kappa and anti-mouse IgG1 Nano-Secondary Alexa Fluor® 488 I: input, FT: Flow-through, B: Bound.



V5-Trap® Magnetic Agarose for pull-down of V5-tagged proteins. V5 at the N-terminus. I: Input, FT: Flow-through, B: Bound.



Very low background of V5-Trap® Magnetic Agarose: IP from different cell lysates without V5-tagged protein.