

Catalog Number: v5ta

20 Publications

Basic Information

Catalog Number:
v5ta**Applications:**
IP, CoIP, ChIP, RIP, Protein purification**Conjugate:**
Agarose beads; bead size: ~ 90 µm (cross-linked 4 % agarose beads)**Host:**
Alpaca**Type:**
Nanobody**Class:**
Recombinant

Description

V5-Trap® Agarose is an affinity reagent for IP and purification of V5-tagged proteins. It consists of an anti-V5 Nanobody/ VHH coupled to agarose beads.

Binding capacity

15 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)

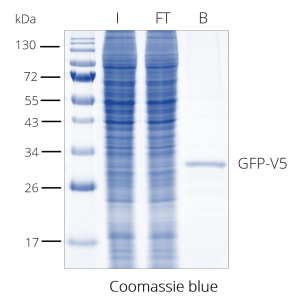
Dissociation constant K_D of 40 nM

Storage

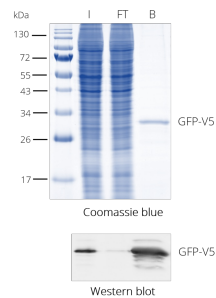
Storage:
Shipped at ambient temperature. Upon receipt store at 4°C. Stable for one year. Do not freeze!

Storage Buffer:
20% ethanol

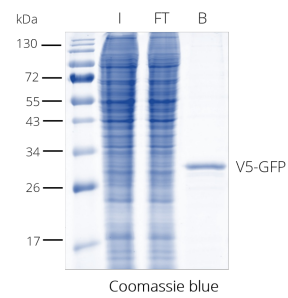
Selected Validation Data



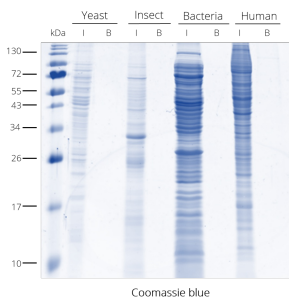
V5-Trap® Agarose for immunoprecipitation of V5-tagged proteins. The V5-tag is C-terminal. I: Input, FT: Flow-Through, B: Bound.



V5-Trap® Agarose for immunoprecipitation of V5 fusion proteins. HEK293T cell lysate with V5-tagged protein. Coomassie and Western blot. V5-tag antibody [SV5-P-K], monoclonal mouse IgG1 kappa and Alpaca anti-mouse IgG1, Fc-specific recombinant VHH, Alexa Fluor® 488 I: Input, FT: Flow-Through, B: Bound.



V5-Trap® Agarose for pull-down. The V5-tag is N-terminal. I: Input, FT: Flow-Through, B: Bound.



IP from different cell lysates without V5-tagged proteins => The V5-Trap® has very low background.