

For Research Use Only

# anti-Spot recombinant VHH, unconjugated



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Catalog Number: etb

5 Publications

## Basic Information

**Catalog Number:**  
etb

**Applications:**

Suitable for conjugation of dyes, biotin, beads, surfaces etc. via NHS ester reaction. Spot VHH contains a sortase-tag and a His-tag at its C terminus: LPETGHHHHHH. This sequence includes the sortase recognition motif LPETG, for conjugation. In addition, bivalent Spot-VHH may be detected by an anti-His antibody. The Spot VHH corresponds to the "BC2-Nanobody" used by Virant et al in the publication "Nature Communications" (2018) doi:10.1038/s41467-018-03191-2 ref[a href="https://www.nature.com/articles/s41467-018-03191-2" target="\\_blank" rel="nofollow">doi:10.1038/s41467-018-03191-2](https://www.nature.com/articles/s41467-018-03191-2)

**Host:**

Alpaca

**Conjugate:**

Unconjugated

**Type :**

Nanobody

**Class:**

Recombinant

**RRID:**

AB\_2827572

**Molecular Weight:**

30.3 kDa

## Description

Alpaca anti-Spot VHH, purified recombinant binding protein

## Specificity/Target

Spot-Tag<sup>®</sup> sequence PDRVRAVSHWSS

## Affinity (K<sub>D</sub>)

Dissociation constant K<sub>D</sub> of 6 nM

## Storage

**Storage:**

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

**Storage Buffer:**

25 mM TAPS pH8.5, 500 mM NaCl, 5 mM EDTA, preservative: 0.09 % sodium azide

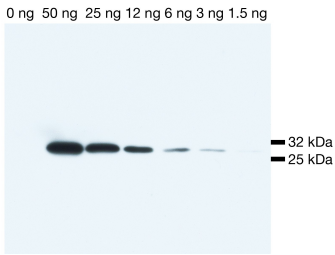
For technical support and original validation data for this product please contact

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

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Selected Validation Data

HEK293T spiked with GFP-Spot



Western blot with Spot VHH.