

# Anti-HA tag, AlpSdAbs® VHH(HRP)

## Summary

<b>Code</b>	003-101-005
<b>Immunogen</b>	HA tag fused KLH
<b>Host</b>	Alpaca pacous
<b>Isotype</b>	VHH domain of alpaca IgG2b/2c
<b>Conjugate</b>	HRP
<b>Specificity</b>	HA tag(YPYDVPDYA)
<b>Cross-Reactivity</b>	Highly selective for HA tag sequence
<b>Purity</b>	Recombinant Expression and Affinity purified
<b>Concentration</b>	1mg/ml
<b>Formation</b>	Liquid, 10mM PBS (pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300, 50% Glycerol
<b>Storage</b>	Store at -20 °C(Avoid freeze / thaw cycles), protect from light

## Description

Anti-HA tag, AlpSdAbs® VHH(HRP) is designed for detecting HA tag fusion proteins. Anti-HA tag, AlpSdAbs® VHH(HRP) is based on monoclonal, recombinant, single domain antibody to HA tag coupled to HRP. Based on immunoelectrophoresis and/or ELISA, Anti-HA tag, AlpSdAbs® VHH(HRP) detects the HA tag selectively, no reactivity with other proteins.

## Background

The HA tag is widely used for detecting, manipulating or purifying proteins. This peptide can be expressed and detected with the protein of interest as an amino-terminal or carboxy-terminal fusion. Because of its small size, HA tag is unlikely to affect the tagged protein's biochemical properties. HA tag is useful for the labeling and detection of proteins using immunoblotting, immunoprecipitation, and immunostaining techniques.

VHH are single-domain antibodies derived from the variable regions of heavy chain of Camelidae immunoglobulin. The size of VHH is extremely small(<15KDa) compared to other forms of antibody fragment, which significantly increase the permeability of VHH. Thus VHH is considered of great value for research, diagnostics and therapeutics.

## Benefits

High lot-to-lot consistency  
 Increased sensitivity and higher affinity  
 Animal-free production

## Suggested Working Concentration

<b>ELISA</b>	1:5,000-1:20000
<b>WB</b>	1:5,000-1:20000

Dilution factors are presented in the form of a range because the optimal dilution is a function of many factors, such as antigen density, permeability, etc. The actual dilution used must be determined empirically.

This product is for research use only and is not approved for use in humans or in clinical