

# Anti-Human IgG(H+L), AlpSdAbs<sup>®</sup> VHH (Biotin)

## Summary

<b>Code</b>	023-106-004
<b>Immunogen</b>	Recombinant human IgG
<b>Host</b>	Alpaca pacous
<b>Isotype</b>	VHH domain of alpaca IgG2b/2c
<b>Conjugate</b>	Biotin-SP (long spacer)
<b>Specificity</b>	Human IgG(H+L)
<b>Cross-Reactivity</b>	Recognizes human IgG specifically, and reacts with cynomolgus IgG. No Cross-reactivity to rabbit , mouse, rat, goat IgG
<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
<b>Storage</b>	Store at -20 °C(Avoid freeze / thaw cycles)

## Description

Anti-Human IgG(H+L), AlpSdAbs<sup>®</sup> VHH(Biotin) is designed for detecting human IgG(H+L) specifically. Anti-Human IgG(H+L), AlpSdAbs<sup>®</sup> VHH(Biotin) is based on recombinant single domain antibodies to human IgG(H+L) coupled to Biotin. Based on immunoelectrophoresis and/or ELISA, Anti-Human IgG(H+L), AlpSdAbs<sup>®</sup> VHH(Biotin) reacts with the human IgG(H+L) specifically.

## Background

VHH are single-domain antibodies derived from the variable regions of heavy chain of Camelidae immunoglobulin. The size of VHH is extremely small 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

## Application notes

<b>Flow Cyt</b>	1: 200-1: 2000
<b>ELISA</b>	1:10,000-1:50,000
<b>WB</b>	1:10,000-1:50,000

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