



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

## Summary

Code	023-106-001
Immunogen	Recombinant human IgG
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c
Conjugate	Unconjugated(6*his tag and one cys were added at the C terminal of the VHH)
Specificity	Human IgG(H+L)
Cross-Reactivity	Recognizes human IgG(H+L) specifically, and reacts with cynomolgus IgG. No Cross-reactivity to rabbit , mouse, rat, goat IgG
Purity	Recombinant Expression and Affinity purified
Concentration	1mg/ml
Formation	Liquid, 10mM PBS (pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300
Storage	Store at -20 °C(Avoid freeze / thaw cycles)

## Description

Anti-Human IgG(H+L), AlpSdAbs<sup>®</sup> VHH is designed for detecting human IgG(H+L) specifically. Anti-Human IgG(H+L), AlpSdAbs<sup>®</sup> VHH is recombinant single domain antibodies derived from the variable regions of heavy chain of Alpaca pacous. Based on immunoelectrophoresis and/or ELISA, Anti-Human IgG(H+L), AlpSdAbs<sup>®</sup> VHH react 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

ELISA	1:10,000-1:50,000
WB	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