

# Anti-Sheep IgG(H+L), AlpSdAbs® VHH(iFluor647 ×8)

## Summary

Code	055-101-009
Immunogen	Sheep IgG
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c
Conjugate	iFluor647(Ex: 652nm, Em: 668nm)
Specificity	Sheep IgG
Cross-Reactivity	No cross-reactivity with mouse, rabbit, human, cynomolgus, rat 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, 50% Glycerol
Storage	Store at -20 °C(Avoid freeze / thaw cycles), protect from light

## Description

Anti-Sheep IgG(H+L), AlpSdAbs® VHH(iFluor647 ×8) is designed for detecting sheep IgG specifically. Anti-Sheep IgG(H+L), AlpSdAbs® VHH(iFluor647 ×8) is based on monovalent, recombinant single domain antibody to sheep IgG coupled to iFluor647. Based on immunoelectrophoresis and/or ELISA, Anti-Sheep IgG(H+L), AlpSdAbs® VHH(iFluor647 ×8) reacts with sheep IgG selectively, no reactivity with mouse, rabbit, human, cynomolgus, rat IgG.

## Background

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

## Application notes

ELISA	1:5000-1:20000
WB	1:5000-1:20000
Flow Cyt	1:100-1:1000
ICC/IF	1:100-1:1000

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