Anti-Sheep IgG(H+L), AlpSdAbs® VHH(PE)

Code	055-101-010
Immunogen	Sheep IgG
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c
Conjugate	PE(Ex: 488nm, Em: 575nm)
Specificity	Sheep IgG
Cross-Reactivity	No cross-reactivity with mouse, rabbit, human, cynomolgus, rat IgG
Purity	Recombinant Expression and Affinity purified
Concentration	0.1mg/mL
Formation	Liquid, 10mM PBS (pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300
Storage	Store at 2-8 °C, Protect from light.

Description

Anti-Sheep IgG(H+L), AlpSdAbs® VHH(PE) is designed for detecting Sheep IgG specifically. Anti-Sheep IgG(H+L), AlpSdAbs® VHH(PE) is based on recombinant single domain antibody to goat IgG fused to PE. Based on immunoelectrophoresis and/or ELISA, Anti-Sheep IgG(H+L), AlpSdAbs® VHH(PE) reacts with the 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

Flow Cyt	1:200-1:1000
ICC/IF	1:200-1:1000

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.