

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

Summary

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| Code# | 055-101-005 |
| Immunogen | Sheep IgG |
| Host | Alpaca pacous |
| Isotype | VHH domain of alpaca IgG2b/2c |
| Conjugate | HRP |
| 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(HRP) is designed for detecting sheep IgG specifically. Anti-Sheep IgG(H+L), AlpSdAbs® VHH(HRP) is based on monovalent, recombinant single domain antibody to sheep IgG coupled to HRP. Based on immunoelectrophoresis and/or ELISA, Anti-Sheep IgG(H+L), AlpSdAbs® VHH(HRP) 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

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