



# Anti-Mouse IgG, AlpSdAbs<sup>®</sup> VHH(VcDXD ×4)

## Summary

Code	001-101-103
Immunogen	Recombinant mouse IgG
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c
Conjugate	VcDXD(2 moles VcDXD per mole VHH)
Specificity	Mouse IgG(Fcγ fragment specific)
Cross-Reactivity	No cross-reactivity with mouse IgM, rabbit, human, cynomolgus, rat, goat IgG
Purity	Recombinant Expression and Affinity purified
Concentration	0.5mg/ml
Formation	Liquid, 10mM PBS (pH 7.4)
Storage	Store at -20 °C(Avoid freeze / thaw cycles)

## Description

Anti-Mouse IgG, AlpSdAbs<sup>®</sup> VHH(VcDXD ×4) is designed for studying on the internalization of antibodies. Anti-Mouse IgG, AlpSdAbs<sup>®</sup> VHH(VcDXD ×4) is based on recombinant single domain antibodies to mouse IgG Fc coupled to VcDXD. Based on immunoelectrophoresis and/or ELISA, Anti-Mouse IgG, AlpSdAbs<sup>®</sup> VHH(VcDXD ×4) reacts with the Fc fragment of mouse IgG(including mouse IgG1, IgG2a, IgG2b) heavy chain but not with the Fab portion of mouse IgG. Anti-Mouse IgG, AlpSdAbs<sup>®</sup> VHH(VcDXD ×4) is an effective detection tool and can be used as a useful tool for the evaluation of antibody potency prior to ADCs.

## 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

Antibody Internalization Test: 2ug per 10ug test antibody (molar ratio=2:1).

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