Anti-Mouse IgG, AlpSdAbs® VHH (GGFG-DXD ×8)

Summary

Code	001-101-113
Immunogen	Recombinant mouse IgG
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c
Conjugate	GGFG-DXD(2 moles GGFG-DXD per mole VHH)
Specificity	Mouse IgG(H&L)
Cross-Reactivity	No cross-reactivity with mouse IgM, rabbit, human, cynomolgus, rat, goat IgG
Purity	Recombinant Expression and Affinity purified
Concentration	1mg/ml
Formation	Liquid, 10mM PBS (pH 7.4)
Storage	Store at –20 °C(Avoid freeze / thaw cycles)

Description

Anti-Mouse IgG, AlpSdAbs® VHH(GGFG-DXD ×8) is designed for studying on the internalization of antibodies. Anti-Mouse IgG, AlpSdAbs® VHH(GGFG-DXD ×8) is based on recombinant single domain antibodies to mouse IgG(H&L) coupled to GGFG-DXD. Based on immunoelectrophoresis and/or ELISA, Anti-Mouse IgG, AlpSdAbs® VHH(GGFG-DXD ×8) reacts with the Fc fragment of mouse IgG(including mouse IgG1, IgG2a, IgG2b) heavy chain and the kappa chain of mouse IgG. Anti-Mouse IgG, AlpSdAbs® VHH(GGFG-DXD ×8) 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=4:1).

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.