Anti-Mouse IgG, AlpSdAbs® VHH(DT)

Summary

Code	001-101-020
Immunogen	Recombinant mouse IgG
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c
Conjugate	Diphtheria toxin (DT)
Specificity	Mouse IgG kappa chain
Cross-Reactivity	No cross-reactivity with 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(DT) is designed for studying on the internalization of antibodies. Anti-Mouse IgG, AlpSdAbs® VHH(DT) is based on recombinant single domain antibody to mouse IgG coupled to diphtheria toxin(DT). Anti-Mouse IgG, AlpSdAbs® VHH(DT) consists of diphtheria toxin (DT) lacking the receptor-binding domain and the VHH binding for mouse IgG. Anti-Mouse IgG, AlpSdAbs® VHH(DT) is an effective detection tool and can be used as a useful tool for the evaluation of antibody potency prior to ADCs. The molecular weight of Anti-Mouse IgG, AlpSdAbs® VHH(DT) is about 60 kDa.

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

Increased sensitivity and higher affinity
High lot-to-lot consistency
Animal-free production

Application notes

Antibody Internalization Test: about 8ug per 10ug antibody

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.