Anti-Mouse IgG1(Fcγ Fragment specific), AlpSdAbs® VHH(APC)

Code	001-108-011
Immunogen	Recombinant Fc region of mouse IgG1
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c
Conjugate	APC(Ex: 651nm, Em: 662nm)
Specificity	Mouse IgG1(Fcγ fragment specific)
Cross-Reactivity	No cross-reactivity with mouse IgG2a/2b/3, mouse IgM, rabbit, human, cynomolgus, rat, goat 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-Mouse IgG1(Fcγ Fragment specific), AlpSdAbs® VHH(APC) is designed for detecting mouse IgG1 Fcγ fragment specifically. Anti-Mouse IgG1(Fcγ Fragment specific), AlpSdAbs® VHH(APC) is based on recombinant single domain antibody to mouse IgG1 Fc fused to APC. Based on immunoelectrophoresis and/or ELISA, Anti-Mouse IgG1(Fcγ Fragment specific), AlpSdAbs® VHH(APC) reacts with the Fc fragment of mouse IgG1 selectively, no reactivity with other mouse IgG subclasses, mouse IgM, or the Fab portion of mouse immunoglobulins.

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.

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.