



# Anti-Mouse IgG(Fcy Fragment specific), AlpSdAbs<sup>®</sup> VHH(APC)

Code	001-102-011
Immunogen	Recombinant mouse IgG
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c
Conjugate	APC(Ex: 651nm, Em: 662nm)
Specificity	Mouse IgG(Fcy fragment specific)
Cross-Reactivity	No cross-reactivity with 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 IgG(Fcy Fragment specific), AlpSdAbs<sup>®</sup> VHH(APC) is designed for detecting mouse IgG Fcy fragment(including mouse IgG1, IgG2a, IgG2b, IgG3) specifically. Anti-Mouse IgG(Fcy Fragment specific), AlpSdAbs<sup>®</sup> VHH(APC) is based on recombinant single domain antibody to mouse IgG Fc fused to APC. Based on immunoelectrophoresis and/or ELISA, Anti-Mouse IgG(Fcy Fragment specific), AlpSdAbs<sup>®</sup> VHH(APC) reacts with the Fc fragment of mouse IgG heavy chain but not with the Fab portion of mouse 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.

## 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.

Please note: All products are FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC PROCEDURES.