

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

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| Code | 001-108-010 |
| Immunogen | Recombinant Fc region of mouse IgG1 |
| Host | Alpaca pacous |
| Isotype | VHH domain of alpaca IgG2b/2c |
| Conjugate | PE(Ex: 488nm, Em: 575nm) |
| 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(PE) is designed for detecting mouse IgG1 Fcγ fragment specifically. Anti-Mouse IgG1(Fcγ Fragment specific), AlpSdAbs® VHH(PE) is based on recombinant single domain antibody to mouse IgG1 Fc fused to PE. Based on immunoelectrophoresis and/or ELISA, Anti-Mouse IgG1(Fcγ Fragment specific), AlpSdAbs® VHH(PE) 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.

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