VHH-Human IgG1 Fc Isotype Control

Summary

Cat.No	400-101-002
Isotype	VHH-Human IgG1 Fc
Conjugate	Unconjugated
Specificity	HEL(hen egg-white lysozyme)
Purity	Human cell production, Recombinant Expression and Affinity purified, > 95%(HPLC)
Concentration	1mg/ml
Endotoxin	< 2 EU/mg(LAL gel clotting)
Formation	Liquid, 10mM PBS (pH 7.5)
Storage	Store at –20 °C, (Avoid freeze / thaw cycles)

Description

VHH-Human IgG1 Fc Isotype Control is designed as a negative control in VHH-Human IgG1 antibody staining applications. VHH-Human IgG1 Fc Isotype Control has the same immunoglobulin class and subclass as the VHH-Human IgG1 antibody which is used in the experiment but lack affinity to the protein of interest. VHH-Human IgG1 Fc Isotype Control makes experiments credible.

Background

Antibodies bind to a specific protein or antigen, but sometimes an antibody can bind to other proteins or cellular components in a non-specific manner. Experimental controls are critical in determining if the antibodies used in your experiment have any off-target binding capabilities. Off-target or non-specific binding by antibodies lead to false positive results, making it difficult to determine background staining from antigen-specific staining. Therefore, it is important to always include experimental controls to ensure reliable results.

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
Animal-free production

Application notes

Negative control for VHH-Human IgG1 Fc antibody

Using at a dilution as the antibody which is used in the experiment.