



VHH-Human IgG1 Fc Isotype Control

Summary

Code 400-101-002

Isotype VHH-Human IgG1 Fc

Conjugate Unconjugated

Purity Recombinant Expression and Affinity purified

Concentration 1mg/mL

Buffer 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

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

This product is for research use only and is not approved for use in humans or in clinical

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