Hamster IgG Isotype Control

Summary

Cat.No	400-101-014
Isotype	Hamster IgG
Conjugate	Unconjugated
Purity	Recombinant Expression and Affinity purified
Concentration	1mg/ml
Formation	Liquid, 10mM PBS (pH 7.5)
Storage	Store at –20 °C, (Avoid freeze / thaw cycles)

Description

Hamster IgG Isotype Control is designed as a negative control in Hamster IgG antibody staining applications. Hamster IgG Isotype Control belongs to the same immunoglobulin class and subclass as the Hamster IgG antibody which is used in the experiment but lack affinity to the protein of interest. Hamster IgG Isotype Control has no antigen-binding capacity, and it 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.

Benefits

High lot-to-lot consistency
Animal-free production

Application notes

Using at a dilution as the test 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