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Rabbit IgG Isotype Control (Alexa Fluor® 647 Conjugate)



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Sensitivity:	Source/Isotype:
FC-FP, FC-L	Endogenous	Rabbit

Product Usage Information

Note: This control antibody must be diluted to the same concentration (not dilution) as the specific antibody use in analysis. Higher background fluorescence may result if excessive amounts of isotype control are used. For protocol details, please reference the product page for the specific antibody used in analysis.

Storage

Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.

Specificity/Sensitivity

The purified antibody is not directed against any known antigen. It functions as an isotype control for rabbit antibodies.

Source / Purification

The antibody was isolated from naive rabbit sera and purified by affinity chromatography. The antibody was conjugated to Alexa Fluor® 647 under optimal conditions with a F/P ratio of 2-6.

Description

Rabbit IgG was conjugated to Alexa Fluor® 647 fluorescent dye under optimal conditions, and tested in-house for direct flow cytometric analysis of human and mouse cells. Alexa Fluor® dye is maximally excited by red light (e.g. 633 nm He-Ne laser). Antibody conjugated of the Alexa Fluor® 647 dye produce far-red-fluorescence emission with a peak at 655 nm.

Background

Isotype control antibodies are used to estimate the nonspecific binding of target primary antibodies due to F_c receptor binding or other protein-protein interactions. An isotype control antibody should have the same immunoglobulin type and be used at the same concentration as the test antibody.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Applications Key

FC-FP: Flow Cytometry (Fixed/Permeabilized) **FC-L:** Flow Cytometry (Live)

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