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Mouse (G3A1) mAb IgG1 Isotype Control (Alexa Fluor® 555 Conjugate)

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

Applications:	Sensitivity:	Source/Isotype:
IF-IC, FC-FP, FC-L	Endogenous	Mouse IgG1 kappa

Product Usage Information

Note: This control antibody must be diluted to the same concentration (not dilution) as the specific antibody in analysis. See Directions on Use.

Directions for Use: Important! This control antibody must be diluted to the same concentration (not dilution) as the specific antibody used for analysis. Higher background fluorescence may result if excessive amounts of mouse IgG isotype control are used. Do not use this antibody at 1:50 dilution in the same way as recommended for other CST Alexa Fluor® conjugated antibodies.

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

Mouse (G3A1) mAb IgG1 Isotype Control (Alexa Fluor® 555 Conjugate) is not directed against any known antigen. It functions as an isotype control for mouse IgG1 monoclonal antibodies.

Description

This Cell Signaling Technology (CST) antibody is conjugated to Alexa Fluor® 555 fluorescent dye under optimal conditions and tested in-house for direct immunofluorescent analysis in human cells.

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

IF-IC: Immunofluorescence (Immunocytochemistry) **FC-FP:** Flow Cytometry (Fixed/Permeabilized) **FC-L:** Flow Cytometry (Live)

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