

# Rabbit IgG Isotype Control (Alexa Fluor® 647 Conjugate)

✓ 100 µl

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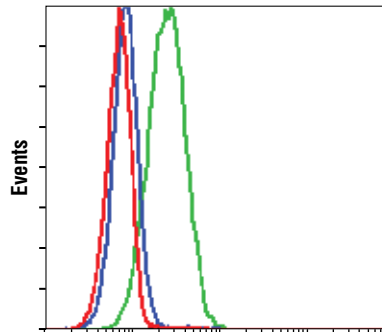
This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.

Concentration	Applications	Source	Isotype
100 µg/ml	F	Rabbit	IgG

**Background:** Isotype control antibodies are used to estimate the non-specific binding of target primary antibodies due to F<sub>c</sub> receptor binding or other protein-protein interactions. An isotype control antibody should have the same immunoglobulin type as the test antibody.

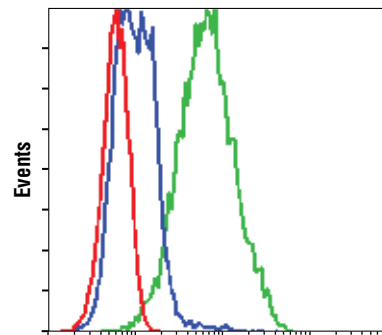
**Description:** Rabbit IgG was conjugated to Alexa Fluor® 647 fluorescent dye under optimal conditions, and tested in-house for direct flow cytometric analysis of human and mouse cells. Alexa Fluor® dye is maximally excited by red light (e.g. 633 nm He-Ne laser). Antibody conjugated of the Alexa Fluor®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

**Source/Purification:** The purified antibody is not directed against any known antigen. It 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 2-5.



**Rabbit IgG Isotype Control (Alexa Fluor® 647)**

Flow cytometric analysis of Jurkat cells, untreated (green) or LY294002- and wortmannin-treated (blue), using Phospho-Akt (Ser473) (193H12) Rabbit mAb (Alexa Fluor® 647 Conjugate) #2337 compared to Rabbit IgG Isotype Control (Alexa Fluor® 647 Conjugate) (red).



**Rabbit IgG Isotype Control (Alexa Fluor® 647)**

Flow cytometric analysis of Jurkat cells, untreated (green) or etoposide-treated (blue), using Phospho-Histone H2A.X (Ser139) (20E3) Rabbit mAb (Alexa Fluor® 647 Conjugate) #9720 compared to Rabbit IgG Isotype Control (Alexa Fluor® 647 Conjugate) (red).

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

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

#### Recommended Antibody Dilutions:

Flow Cytometry:

Match IgG concentration of primary antibody.

**Directions on Use: Important!** This control antibody must be diluted to the same concentration (not dilution) as the specific antibody in analysis. Higher background fluorescence may result if excessive amounts of rabbit IgG isotype control are used. Do not use this antibody at 1:10 dilution in the same way as recommended for other CST Alexa Fluor® conjugated antibodies.

**For application specific protocols please see the web page for this product at [www.cellsignal.com](http://www.cellsignal.com).**

**Please visit [www.cellsignal.com](http://www.cellsignal.com) for a complete listing of recommended companion products.**

The Alexa Fluor® dye antibody conjugates in this product are sold under license from Molecular Probes, Inc., for research use only, except for use in combination with DNA microarrays. The Alexa Fluor® dyes (except for Alexa Fluor® 430 dye) are covered by pending and issued patents.

Alexa Fluor® is a registered trademark of Molecular Probes, Inc.

**Applications Key:** W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide

**Species Cross-Reactivity Key:** H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine

Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—Horse All—all species expected