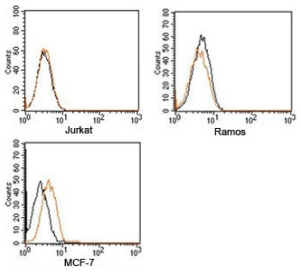
Rabbit IgG Isotype Control Polyclonal Antibody PE Conjugate (N1001PE)

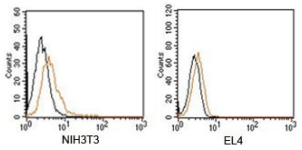
Catalog No.	Formulation	Size
N1001PE-100UG	0.5 mg/ml antibody in PBS with 0.05% sodium azide	100 ug
N1001PE-25UG	0.5 mg/ml antibody in PBS with 0.05% sodium azide	25 ug

Bulk quote request

Species Reactivity	NA
Format	PE Conjugate
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Protein A Affinity Chromatography
Buffer	1X PBS, pH 7.4
Gene ID	NA
Applications	FACS: assay dependent Immunohistochemistry: assay dependent Immunofluorescence: assay dependent
Limitations	This **Rabbit IgG isotype control antibody** is available for research use only.



Rabbit IgG Isotype Control Polyclonal Antibody PE Conjugate Jurkat Ramos MCF-7 FACS. Flow cytometry analysis of human Jurkat, Ramos, and MCF-7 cells using Rabbit IgG Isotype Control Polyclonal Antibody PE Conjugate demonstrates minimal background staining and negligible non-specific binding across all tested cell lines. Overlay histograms compare fluorescence profiles of cells alone (black) and phycoerythrin (PE)-conjugated rabbit IgG isotype control antibody (orange), showing closely overlapping distributions indicative of low background signal. This reagent serves as a negative control for fluorescence-based experiments employing PE-labeled rabbit polyclonal antibodies and supports assessment of non-specific antibody binding and background fluorescence.



Rabbit IgG Isotype Control Polyclonal Antibody PE Conjugate NIH3T3 EL4 FACS. Flow cytometry analysis of mouse NIH3T3 and EL4 cells using Rabbit IgG Isotype Control Polyclonal Antibody PE Conjugate demonstrates low background staining and minimal non-specific binding. Overlay histograms compare fluorescence profiles of cells alone (black) and phycoerythrin (PE)-conjugated rabbit IgG isotype control antibody (orange), showing limited signal shift and low background fluorescence. This reagent serves as a negative control for fluorescence-based experiments employing PE-labeled rabbit polyclonal antibodies and supports assessment of non-specific antibody binding and background fluorescence.

Description

Rabbit IgG Isotype Control Polyclonal Antibody PE Conjugate is designed as a negative control reagent for fluorescence-based immunoassays employing red-orange signal detection. Phycoerythrin (PE) is a phycobiliprotein fluorochrome with exceptionally high molar absorptivity, making it one of the brightest fluorescent labels available for flow cytometry and immunofluorescence applications. By linking the isotype control antibody to PE, researchers obtain a reagent that closely mimics the optical properties of experimental rabbit antibodies labeled with the same fluorochrome, enabling accurate assessment of nonspecific fluorescence and background staining.

This Rabbit IgG Isotype Control Polyclonal Antibody PE Conjugate preserves the structural characteristics of rabbit immunoglobulin but does not bind specifically to cellular antigens. Instead, it measures background signals generated by Fc receptor interactions, nonspecific membrane binding, and fluorescence associated with the PE fluorochrome. Because PE produces exceptionally bright fluorescence, even low levels of nonspecific binding may appear as positive signal if a properly matched isotype control is not included. By quantifying this background, the PE-conjugated control supports accurate gating, data interpretation, and assay optimization.

In flow cytometry and FACS applications, the Rabbit IgG Isotype Control antibody conjugated to PE is useful for evaluating nonspecific staining and background fluorescence in multicolor panels. Because PE is among the brightest fluorochromes available, inclusion of a fluorophore-matched isotype control can help distinguish true antigen-specific staining from background signal. In immunofluorescence and fluorescence microscopy applications, the reagent enables investigators to determine whether red-orange fluorescent signals represent specific antigen detection or nonspecific antibody binding and cellular autofluorescence.

This reagent is particularly valuable in studies involving immune cell phenotyping, cellular activation, signal transduction, and fluorescence-based biomarker analysis where accurate fluorescence quantitation is required. Common search terms including rabbit IgG PE isotype control antibody, PE-conjugated rabbit isotype control antibody, and phycoerythrin-conjugated rabbit control antibody further reflect its utility across multiple experimental platforms. By providing reliable measurement of background fluorescence, this reagent helps ensure that observed PE signals represent true target-specific staining.

NSJ Bioreagents validates Rabbit IgG Isotype Control Polyclonal Antibody PE Conjugate for reproducibility and performance consistency. The reagent provides researchers with a dependable negative control for distinguishing nonspecific fluorescence from specific antibody labeling, improving the accuracy and confidence of fluorescence-based immunoassay results.

Researchers utilizing negative controls for immunohistochemistry, flow cytometry, immunofluorescence, and other antibody-based assays may also be interested in our Isotype Control Antibodies page featuring reagents for background staining assessment and assay validation.

Application Notes

Generally to be used at the same concentration as the sample being controlled for.

Immunogen

This is purified naive rabbit sera and as such there was no immunogen.

Storage

Store the Rabbit IgG isotype control antibody at 4oC. Do not freeze; protect from light.

Alternate Names

Rabbit IgG PE Isotype Control Antibody, Rabbit Isotype Control Antibody PE Conjugate, PE Conjugated Rabbit IgG Isotype Control Antibody, PE-Labeled Rabbit IgG Isotype Control Antibody, Rabbit IgG Negative Control Antibody PE Conjugate, Rabbit IgG Isotype Control Antibody for Flow Cytometry, Rabbit IgG Isotype Control Antibody for Immunofluorescence, Phycoerythrin Rabbit IgG Isotype Control Antibody

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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