



# Mouse IgG1 Isotype Control [PerCP/Cy5.5®] (DAGIC1522)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	The NPQD-32 immunoglobulin has unknown specificity. The isotype of this antibody is mouse IgG1, κ. This antibody was chosen as an isotype control after screening on a variety of resting, activated, live and fixed mouse, rat and human tissues.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	N/A
<b>Clone</b>	NPQD-32
<b>Purification</b>	Affinity chromatography
<b>Conjugate</b>	PerCP/Cy5.5
<b>Applications</b>	FC
<b>Preparation</b>	The immunoglobulin was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated immunoglobulin.
<b>Format</b>	Liquid
<b>Concentration</b>	Lot-specific
<b>Size</b>	25 tests
<b>Buffer</b>	Phosphate-buffered solution, pH 7.2
<b>Preservative</b>	0.09% Sodium Azide

**Storage**

The IgG1,  $\kappa$  isotype control solution should be stored undiluted between 2°C and 8°C and protected from prolonged exposure to light. Do not freeze.

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## BACKGROUND

**Introduction**

Isotype controls are primary antibodies that lack specificity to the target, but match the class and type of the primary antibody used in the application. Isotype controls are used as negative controls to help differentiate non-specific background signal from specific antibody signal. Depending upon the isotype of the primary antibody used for detection and the target cell types involved, background signal may be a significant issue in various experiments.

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