

## Technical Data Sheet

Biotin Hamster IgG1,  $\lambda$ 1 Isotype Control

## Product Information

<b>Material Number:</b>	553952
<b>Alternate Name:</b>	anti-TNP
<b>Size:</b>	0.25 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Clone:</b>	G235-2356
<b>Immunogen:</b>	Trinitrophenol-KLH
<b>Isotype:</b>	Armenian Hamster IgG1, $\lambda$ 1
<b>Storage Buffer:</b>	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The immunogen used to produce the G235-2356 hybridoma was the hapten trinitrophenol conjugated to a protein carrier. The G235-2356 antibody was selected as an isotype control following screening for low background on a variety of mouse and human tissues.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.

## Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed.

Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

## Application Notes

## Application

Flow cytometry	Routinely Tested
Isotype control	Routinely Tested

## Recommended Assay Procedure:

This immunoglobulin is useful as an isotype-matched negative control for immunofluorescent staining. An isotype control should be used at the same concentration as the antibody of interest (e.g.,  $\leq 1$   $\mu$ g/million cells for flow cytometry).

## Suggested Companion Products

Catalog Number	Name	Size	Clone
554061	PE Streptavidin	0.5 mg	(none)

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.
3. Although hamster immunoglobulin isotypes have not been well defined, BD Biosciences Pharmingen has grouped Armenian and Syrian hamster IgG monoclonal antibodies according to their reactivity with a panel of mouse anti-hamster IgG mAbs. A table of the hamster IgG groups, Reactivity of Mouse Anti-Hamster Ig mAbs, may be viewed at [http://www.bdbiosciences.com/pharmingen/hamster\\_chart\\_11x17.pdf](http://www.bdbiosciences.com/pharmingen/hamster_chart_11x17.pdf).
4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

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