Technical Data Sheet

PE Hamster IgG1, λ1 Isotype Control

Product Information

Material Number:	**554711**
Alternate Name:	anti-TNP
Size:	0.1 mg
Concentration:	0.2 mg/ml
Clone:	G235-2356
Immunogen:	Trinitrophenol-KLH
Isotype:	Armenian Hamster IgG1, λ1
Storage Buffer:	Aqueous buffered solution containing ≤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 R-PE under optimum conditions, and unconjugated antibody and free PE were removed by gel filtration chromatography.

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

Application Notes

Application

Intracellular staining (flow cytometry)	Routinely Tested
Isotype control	Routinely Tested

Recommended Assay Procedure:

Immunofluorescent Staining and Flow Cytometric Analysis: The PE-G235-2356 immunoglobulin (Cat. No. 554711) is a suitable hamster IgG isotype controls for assessing the level of background staining on paraformaldehyde-fixed/saponin-permeabilized rat and human cells for flow cytometric analysis. Use at comparable concentrations to antibody of interest (e.g., ≤ 0.5 µg mAb/1 million cells). For specific methodology, please visit our website, www.bdbiosciences.com/protocols or the chapter on intracellular staining in the Immune Function Handbook.

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 for technical protocols.
3. 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.

References

Prussin C, Metcalfe DD. Detection of intracytoplasmic cytokine using flow cytometry and directly conjugated anti-cytokine antibodies. *J Immunol Methods.* 1995; 188(1):117-128.(Biology)

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