

## Technical Data Sheet

PE Hamster IgG1  $\kappa$  Isotype Control

## Product Information

Material Number:	553972
Alternate Name:	Anti-Trinitrophenol (TNP)
Size:	0.1 mg
Concentration:	0.2 mg/ml
Clone:	A19-3
Immunogen:	TNP-keyhole limpet hemocyanin
Isotype:	Armenian Hamster IgG1, $\kappa$
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The A19-3 monoclonal antibody specifically binds to the hapten, trinitrophenol (TNP). TNP is not expressed on human, mouse, or rat cells. The immunoglobulin from clone A19-3 was selected as an isotype control following screening for low background staining on a variety of mouse and human tissues.

## 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. 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:

An isotype control should be used at the same concentration as the antibody of interest (e.g.,  $\leq 1$   $\mu\text{g}$ /million cells for flow cytometry).

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [wwwbdbiosciences.com/pharmingen/protocols](http://wwwbdbiosciences.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://wwwbdbiosciences.com/pharmingen/hamster\\_chart\\_11x17.pdf](http://wwwbdbiosciences.com/pharmingen/hamster_chart_11x17.pdf).
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at [wwwbdbiosciences.com/colors](http://wwwbdbiosciences.com/colors).
5. 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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