

## Technical Data Sheet

**Biotin Rat IgG1, κ Isotype Control****Product Information**

|                         |   |
|-------------------------|---|
| <b>Material Number:</b> | 553923  |
| <b>Size:</b>            | 0.25 mg   |
| <b>Concentration:</b>   | 0.5 mg/ml   |
| <b>Clone:</b>           | R3-34   |
| <b>Isotype:</b>         | Rat IgG1, κ   |
| <b>Storage Buffer:</b>  | Aqueous buffered solution containing ≤0.09% sodium azide. |

**Description**

The immunoglobulin from the R3-34 hybridoma was identified as a non-reactive clone, following immunization with mouse Ig. The R3-34 immunoglobulin 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:**

An isotype control should be used at the same concentration as the antibody of interest (e.g., ≤ 1 µg/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 [www.bdbiosciences.com/pharmingen/protocols](http://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.

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