

Technical Data Sheet

APC Rat IgG1, κ Isotype Control

Product Information

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|------------------|---|
| Material Number: | 554686 |
| Size: | 0.1 mg |
| Concentration: | 0.2 mg/ml |
| Clone: | R3-34 |
| Isotype: | Rat IgG1, κ |
| Storage Buffer: | 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.

Preparation and Storage

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

The antibody was conjugated to APC under optimum conditions, and unconjugated antibody and free APC were removed.

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

Application Notes

Application

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|---|------------------|
| Isotype control | Routinely Tested |
| Intracellular staining (flow cytometry) | Routinely Tested |
| Flow cytometry | Routinely Tested |

Recommended Assay Procedure:

Immunofluorescent Staining for Intracellular Cytokines: The APC-R3-34 immunoglobulin (Cat. No. 554686) is a suitable rat IgG1, κ isotype control for assessing the level of background staining on paraformaldehyde-fixed/saponin-permeabilized mouse or human cells for flow cytometric analysis. Use at comparable concentrations to antibody of interest. For specific methodology, please visit our website, www.bdbiosciences.com and go to the protocols section or the see Chapter 4: Immunofluorescent Staining of Intracellular Molecules for Flow Cytometric Analysis. Techniques for Immune Function Analysis Application Handbook 1st Edition. The intracellular cytokine staining technique and use of blocking controls are described in detail by C. Prussin and D. Metcalfe.

Suggested Companion Products

| Catalog Number | Name | Size | Clone |
|----------------|---|-----------|--------|
| 554715 | BD Cytotfix/Cytoperm Plus Kit (with BD GolgiStop) | 250 tests | (none) |
| 555028 | BD Cytotfix/Cytoperm Plus Kit (with BD GolgiPlug) | 250 tests | (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 for technical protocols.
3. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
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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