Technical Data Sheet

# Biotin Mouse Anti-Armenian and Syrian Hamster IgG1

## Product Information

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| **Material Number:** | **554007** |
| **Size:** | 0.5 mg |
| **Concentration:** | 0.5 mg/ml |
| **Clone:** | G94-56 |
| **Immunogen:** | Pooled Armenian hamster IgG mAb |
| **Isotype:** | Mouse (BALB/c) IgG2b, κ |
| **Reactivity:** | QC Testing: Hamster |
| **Storage Buffer:** | Aqueous buffered solution containing ≤0.09% sodium azide. |

## Description

Based on ELISA, the G94-56 antibody reacts specifically with Armenian and Syrian hamster IgG1 monoclonal antibodies, but has low reactivity with some other hamster IgG groups. (Please refer to the *Reactivity of Mouse Anti-Hamster Ig mAbs* chart on our website for more information: http://www.bdbiosciences.com/pharmingen/hamster_chart_11x17.pdf.) The G94-56 mAb does not react with hamster IgM.

## 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**

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| ELISA | Routinely Tested |
| Flow cytometry | Routinely Tested |

**Recommended Assay Procedure:**
For the sandwich hamster IgG (group 1) ELISA, biotin-conjugated mAb G94-56 is optimal for detection with purified anti-hamster IgG mAb HIG-632 (Cat. No. 550637) for capture and Cat. No. 553969 as protein standard. Biotin-conjugated G94-56 mAb may be used as a secondary reagent in immunofluorescent staining. For immunohistochemical staining, we recommend the use of biotinylated anti-hamster IgG mAb cocktail in our special formulation for immunohistochemistry, Cat. No. 550335.

## Suggested Companion Products

| Catalog Number | Name | Size | Clone |
|---|---|---|---|
| 550637 | Purified Mouse Anti-Armenian and Syrian Hamster IgG1 | 0.5 mg | HIG-632 |
| 550335 | Biotin Anti-Hamster IgG Cocktail | 1.0 ml | G94-56 |
| 553969 | Purified Hamster IgG1, κ Isotype Control | 0.5 mg | A19-3 |

## 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.
4. 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.

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