

## Technical Data Sheet

## Purified Mouse Anti-Armenian and Syrian Hamster IgG1

## Product Information

Material Number:	554006
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	G94-56
Immunogen:	Pooled Armenian hamster IgG mAb
Isotype:	Mouse (BALB/c) IgG2b, $\kappa$
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ 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](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.  
Store undiluted at 4° C.

## Application Notes

## Application

ELISA	Routinely Tested
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## Recommended Assay Procedure:

For the hamster IgG (group 1) sandwich ELISA, biotin-conjugated mAb G94-56 (Cat. No. 554007) is optimal for detection with purified anti-hamster IgG mAb HIG-632 (Cat. No. 550637) for capture.

## 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.
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](http://www.bdbiosciences.com/pharmingen/hamster_chart_11x17.pdf).
5. Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LE (No Azide/Low Endotoxin) antibody format, if available, for in vitro and in vivo use.

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