

## Technical Data Sheet

**Purified Mouse Anti-Armenian and Syrian Hamster IgG****Product Information**

<b>Material Number:</b>	554024
<b>Size:</b>	0.5 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Clone:</b>	G192-1
<b>Immunogen:</b>	Pooled Armenian and Syrian hamster IgG mAb
<b>Isotype:</b>	Mouse (BALB/c) IgG1, $\kappa$
<b>Storage Buffer:</b>	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

**Description**

Based on ELISA, the G192-1 antibody reacts specifically with Armenian hamster IgG2, IgG3, and IgG4, and Syrian hamster IgG2 monoclonal antibodies. The G192-1 mAb does not react with other hamster IgG groups or 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:**

This antibody has been tested by ELISA to assure specificity and reactivity. For the sandwich Armenian hamster IgG2 ELISA, biotinylated mAb G192-1 (Cat. no. 554025) is optimal for detection with purified anti-hamster IgG mAb HIG-65 (Cat. no. 550638) 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. 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.
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. 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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