

Technical Data Sheet

Biotin Mouse Anti-Armenian and Syrian Hamster IgG

Product Information

Material Number:	554025
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	G192-1
Immunogen:	Pooled Armenian and Syrian hamster IgG mAb
Isotype:	Mouse (BALB/c) IgG1, κ
Reactivity:	QC Testing: Hamster
Storage Buffer:	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. 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

ELISA	Routinely Tested
Flow cytometry	Routinely Tested
Immunohistochemistry	Tested During Development

Recommended Assay Procedure:

For the sandwich Armenian hamster IgG2 ELISA, biotinylated mAb G192-1 is optimal for detection with purified anti-hamster IgG mAb HIG-65 (Cat. no. 550638) for capture. Biotin-conjugated G192-1 mAb may be used as a secondary reagent in immunofluorescent staining. For immunohistochemical staining, we recommend biotinylated anti-hamster IgG mAb cocktail in our special formulation for immunohistochemistry, Cat. no. 550335.

Suggested Companion Products

Catalog Number	Name	Size	Clone
550638	Purified Mouse Anti-Armenian Hamster IgG2	0.5 mg	HIG-65
550335	Biotin Anti-Hamster IgG Cocktail	1.0 ml	G94-56

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. 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.
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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