

## Technical Data Sheet

**Biotin Mouse Anti-Rat IgG1/2a****Product Information**

<b>Material Number:</b>	553880
<b>Size:</b>	0.5 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Clone:</b>	G28-5
<b>Immunogen:</b>	Pooled Rat IgG
<b>Isotype:</b>	Mouse IgG2a
<b>Reactivity:</b>	QC Testing: Rat
<b>Storage Buffer:</b>	Aqueous buffered solution containing ≤0.09% sodium azide.

**Description**

The G28-5 antibody reacts specifically with rat IgG1 and IgG2a. It does not react with other Ig isotypes. A suspension of pooled rat IgG1 was used as the source of immunogen.

**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

**Recommended Assay Procedure:**

Biotin-conjugated G28-5 mAb may be used as a secondary reagent in immunofluorescent staining. For immunohistochemical staining, we recommend the use of biotinylated G28-5 mAb in our special formulation for immunohistochemistry, Cat. No. 550325.

**Suggested Companion Products**

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
553455	Biotin Mouse IgG2a, κ Isotype Control	0.25 mg	G155-178
554060	FITC Streptavidin	0.5 mg	(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](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.

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