Technical Data Sheet

Biotin Goat Anti-Rat Ig

Product Information

Material Number:	**554014**
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	Polyclonal
Reactivity:	QC Testing: Rat
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

This polyclonal antibody reacts with whole molecule rat IgG (heavy and light chains) and may also react with the light chains of other rat immunoglobulins. The antibody has been reported to be reactive in ELISA with rat IgG, IgM, and IgA. In addition, some cross-reactivity with mouse IgG, some hamster Ig and minimal cross-reactivity with human Ig has been reported. Investigators experiencing cross-reactivity with rat IgM may wish to consider using the following alternatives: Biotin Mouse Anti-Rat IgM (Cat. No. 553886) or Biotin Mouse Anti-Rat Ig, κ light chain (Cat. No. 553871). Minimal cross-reaction to mouse, human, bovine, horse and rabbit non-immunoglobulin serum proteins are expected.

For immunohistochemical staining (IHC) of acetone-fixed frozen and paraffin-embedded sections, Biotin Goat Anti-Rat Ig (Cat. No. 559286) is recommended. When using rat IgG2b primary antibodies, Biotin Mouse Anti-Rat IgG2b (Cat. No. 550327) is also available as an alternate. When using rat IgM primary antibodies, Mouse Anti-Rat/Hamster Ig κ light chain (Cat. No. 550336) or Mouse Anti-Rat IgM (Cat. No. 550330) are also available alternatives.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

ELISA	Routinely Tested
Flow cytometry	Tested During Development

Suggested Companion Products

Catalog Number	Name	Size	Clone
559286	Biotin Goat Anti-Rat Ig	0.5 mg	Polyclonal
550327	Biotin Mouse Anti-Rat IgG2b	1.0 ml	G15-337
550336	Biotin Mouse Anti-Rat and Anti-Hamster Ig, κ Light Chain	1.0 ml	RG7/7.6
550330	Biotin Mouse Anti-Rat IgM	1.0 ml	G53-238
553886	Biotin Mouse Anti-Rat IgM	0.5 mg	G53-238
553871	Biotin Mouse Anti-Rat Ig, κ Light Chain	0.5 mg	MRK-1

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
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. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

BD Biosciences

bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	800.268.5430	32.2.400.98.95	0120.8555.90	65.6861.0633	55.11.5185.9995

For country contact information, visit **bdbiosciences.com/contact**