

Technical Data Sheet

Biotin Rat Anti-Mouse IgG3

Product Information

Material Number:	553401
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	R40-82
Immunogen:	Mouse Pooled Ig
Isotype:	Rat (LOU) IgG2a, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The R40-82 antibody reacts specifically with mouse IgG3 of all strains. It does not react with other Ig isotypes.

Preparation and Storage

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

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.

Application Notes

Application

ELISA	Routinely Tested
Flow cytometry	Routinely Tested
Immunohistochemistry-frozen	Reported

Recommended Assay Procedure:

For the sandwich mouse IgG3, ELISA, biotin-conjugated R40-82 mAb is optimal for detection with purified anti-mouse IgG3 clone R2-38 mAb (Cat. No. 553404) for capture and Cat. No. 553486 for the standard. Biotinylated R40-82 mAb may also be used as a primary or secondary reagent in immunofluorescent staining. R40-82 antibody is effective for detection of cell-surface or intracellular Ig by immunofluorescent staining with flow cytometric analysis. For flow cytometric detection of intracytoplasmic IgG3, we recommend FITC-conjugated mAb R40-82 (Cat. No. 553403).

Suggested Companion Products

Catalog Number	Name	Size	Clone
553403	FITC Rat Anti-Mouse IgG3	0.5 mg	R40-82
553404	Purified Rat Anti-Mouse IgG3	0.5 mg	R2-38
553486	Purified Mouse IgG3, κ Isotype Control	0.5 mg	A112-3

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. 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.

BD Biosciences

www.bdbiosciences.com

United States 877.232.8995 Canada 888.259.0187 Europe 32.53.720.550 Japan 0120.8555.90 Asia Pacific 65.6861.0633 Latin America/Caribbean 55.11.5185.9995

For country-specific contact information, visit www.bdbiosciences.com/how_to_order/

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2007 BD

