

## Technical Data Sheet

## Biotin Rat Anti-Rat RT1A[a,b]

## Product Information

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| Material Number: | 559994                                                           |
| Size:            | 0.1 mg                                                           |
| Concentration:   | 0.5 mg/ml                                                        |
| Clone:           | C3                                                               |
| Immunogen:       | DA rat spleen and lymph-node cells                               |
| Isotype:         | Rat (LOU) IgG2b, $\kappa$                                        |
| Reactivity:      | QC Testing: Rat                                                  |
| Storage Buffer:  | Aqueous buffered solution containing $\leq 0.09\%$ sodium azide. |

## Description

The C3 antibody reacts with epitope S of the rat MHC class I antigen, haplotypes RT1[a] (eg, ACI, DA, COP) and RT1[b] (eg, BP, BUF). It does not react with RT1[c] (eg, AUG, PVG/c), RT1 (eg, F344, LEW), or RT1[u] (eg, AO, LOU, WF).

## 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

|                             |                           |
|-----------------------------|---------------------------|
| Flow cytometry              | Routinely Tested          |
| Immunohistochemistry-frozen | Tested During Development |

## Recommended Assay Procedure:

Other applications include immunohistochemical staining of acetone-fixed frozen sections.

## Suggested Companion Products

| Catalog Number | Name                                       | Size    | Clone |
|----------------|--------------------------------------------|---------|-------|
| 553987         | Biotin Rat IgG2b, $\kappa$ Isotype Control | 0.25 mg | A95-1 |

## 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.

## References

Butcher GW. A list of monoclonal antibodies specific for alloantigens of the rat. *J Immunogenet.* 1987; 14(2-3):163-176.(Biology)  
 Smith RN, Amsden A, Sudilovsky O, Coleman N, Margolies R. The alloantibody response in the allogeneically pregnant rat. IV. Analysis of the alloantibody specificities with monoclonal antibodies. *J Immunol.* 1986; 136(11):4063-4069.(Immunogen)

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