Technical Data Sheet

# Biotin Rat Anti-Mouse Ig, λ1, λ2, & λ3 Light Chain

## Product Information

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| **Material Number:** | **553433** |
| **Size:** | 0.5 mg |
| **Concentration:** | 0.5 mg/ml |
| **Clone:** | R26-46 |
| **Immunogen:** | Pooled Mouse Ig |
| **Isotype:** | Rat IgG2a, κ |
| **Reactivity:** | QC Testing: Mouse |
| **Storage Buffer:** | Aqueous buffered solution containing ≤0.09% sodium azide. |

## Description

The R26-46 antibody reacts specifically with mouse Igs bearing λ1, λ2, or λ3 light chains. It does not react with κ light chain or heavy chain. Detection of surface immunoglobulin on Ig λ chain-secreting hybridoma cells has been demonstrated with R26-46 mAb.

This antibody is routinely tested by ELISA testing. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.

## 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**

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| ELISA | Routinely Tested |

**Recommended Assay Procedure:**
For the sandwich mouse IgG1, G2a, G2b, G3, IgM, IgA, and IgE ELISA, biotin-conjugated mAb R26-46 (cocktailed with biotin-conjugated anti-mouse Ig κ light chain, 187.1 mAb, Cat. No. 559750) is optimal for detection with any of the following anti-mouse Ig isotype-specific mAbs (A85-1, Cat. No. 553440; R19-15, Cat. No. 553387; R12-3, Cat. No. 553392; R40-82 [available by custom order]; II-41, Cat. No. 553435; C10-3, Cat. No. 556969; R35-72, Cat. No. 553413) for capture, respectively.

## Suggested Companion Products

| Catalog Number | Name | Size | Clone |
|---|---|---|---|
| 559750 | Biotin Rat Anti-Mouse Ig, κ Light Chain | 0.5 mg | 187.1 |

## 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 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**

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