

Technical Data Sheet

Biotin Rat Anti-Mouse Ig, λ 1, λ 2, & λ 3 Light Chain

Product Information

Material Number:	553433
Alternate Name:	Ig λ ; Ig λ ; Immunoglobulin lambda chain complex; Ig λ 1/ λ 2/ λ 3
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 \leq 0.09% sodium azide.

Description

The R26-46 antibody reacts specifically with mouse Igs bearing λ 1, λ 2, or λ 3 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.

Preparation and Storage

Store undiluted at 4°C.

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
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Recommended Assay Procedure:

For the sandwich mouse IgG1, G2a, G2b, G3, IgM, IgA, and IgE ELISA, Biotin Rat Anti-Mouse Ig, λ 1, λ 2, & λ 3 Light Chain, cocktail with Biotin Rat Anti-Mouse Ig, κ Light Chain, (Cat. No. 559750) is optimal for detection with any of the following anti-mouse Ig isotype-specific mAbs: Purified Rat Anti-Mouse IgG1, (Cat. No. 553440); Purified Rat Anti-Mouse IgG2a, (Cat. No. 553387); Purified Rat Anti-Mouse IgG2b, (Cat. No. 553392); R40-82 [available by custom order]; Purified Rat Anti-Mouse IgM, (Cat. No. 553435); Purified Rat Anti-Mouse IgA, (Cat. No. 556969); Purified Rat Anti-Mouse IgE, (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
553440	Purified Rat Anti-Mouse IgG1	0.5 mg	A85-1
553387	Purified Rat Anti-Mouse IgG2a	0.5 mg	R19-15
553392	Purified Rat Anti-Mouse IgG2b	0.5 mg	R12-3
553435	Purified Rat Anti-Mouse IgM	0.5 mg	II/41
556969	Purified Rat Anti-Mouse IgA	0.5 mg	C10-3
553413	Purified Rat Anti-Mouse IgE	0.5 mg	R35-72

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. 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.
3. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
4. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

Li Y, Li H, Weigert M. Autoreactive B cells in the marginal zone that express dual receptors. *J Exp Med.* 2002; 195(2):181-8. (Clone-specific)
 Rolink AG, Winkler T, Melchers F, Andersson J. Precursor B cell receptor-dependent B cell proliferation and differentiation does not require the bone marrow or fetal liver environment. *J Exp Med.* 2000; 191(1):23-32. (Clone-specific)

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