

Technical Data Sheet

Purified Rat Anti-Mouse IgE

Product Information

Material Number:	553416
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	R35-92
Immunogen:	Mouse IgE (pooled)
Isotype:	Rat (LOU) IgG1, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The rat anti-mouse IgE antibody (clone R35-92) reacts specifically with mouse IgE of Igh-C [a] and Igh-C [b] haplotypes. It has been reported not to react with other Ig isotypes.

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

Preparation and Storage

Store undiluted at 4° C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Application Notes

Application

ELISA Capture	Routinely Tested
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Recommended Assay Procedure:

Sandwich ELISA: Purified rat anti-mouse IgE (clone R35-92) may be used at $\sim 2 \mu\text{g/ml}$ as the capture antibody coupled with biotin rat anti-mouse IgE (clone R35-72) (Cat. No. 553414) as the detection antibody. Researchers are strongly advised to titrate each reagent over a range of concentrations (e.g. 1-8 $\mu\text{g/ml}$) for optimal results. Purified mouse IgE (Cat. No. 557079, 553481, or 557080) may be used as the ELISA standard. Researchers, however, are advised to first consider using purified rat anti-mouse IgE (clone R35-72) (Cat. No. 553413) and biotin rat anti-mouse IgE (clone R35-118) (Cat. No. 553419) as the ELISA sandwich pair for measuring mouse IgE where greater sensitivity is needed. Alternatively, the BD OptEIA™ Mouse IgE ELISA Set (Cat. No. 555248) is offered as a convenient sandwich ELISA product that is easy-to-use and may be used for the quantitation of soluble mouse IgE.

Suggested Companion Products

Catalog Number	Name	Size	Clone
553414	Biotin Rat Anti-Mouse IgE	0.5 mg	R35-72
557079	Purified Mouse IgE κ Isotype Control	0.5 mg	C38-2
554066	Streptavidin HRP	1.0 ml	(none)

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.

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