

## Technical Data Sheet

## Biotin Rat Anti-Mouse IgE

## Product Information

<b>Material Number:</b>	553414
<b>Size:</b>	0.5 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Clone:</b>	R35-72
<b>Immunogen:</b>	Mouse IgE (pooled)
<b>Isotype:</b>	Rat (LOU) IgG1, $\kappa$
<b>Reactivity:</b>	QC Testing: Mouse
<b>Storage Buffer:</b>	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The rat anti-mouse IgE antibody (clone R35-72) reacts specifically with mouse IgE of the Igh-C [a] and Igh-C [b] haplotypes. It has been reported not to react with other Ig isotypes. Detection with the rat anti-mouse IgE antibody (clone R35-72) of surface immunoglobulin on IgE-secreting hybridoma cells has also been reported.

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 and protected from prolonged exposure to light. Do not freeze.

The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed.

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

## Application Notes

## Application

ELISA Detection	Routinely Tested
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## Recommended Assay Procedure:

**Sandwich ELISA:** Biotin rat anti-mouse IgE antibody (clone R35-72) may be used at ~ 2  $\mu\text{g/ml}$  as the detection antibody coupled with purified rat anti-mouse IgE antibody (clone R35-92) (MN 553416) as the capture 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 (MN 557079, 553481, or 557080) may be used as the ELISA standard. Alternatively, the BD OptEIA™ Mouse IgE ELISA Set (MN 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
553416	Purified Rat Anti-Mouse IgE	0.5 mg	R35-92
554066	Streptavidin HRP	1.0 ml	(none)
557079	Purified Mouse IgE $\kappa$ Isotype Control	0.5 mg	C38-2

## 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.

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