

## Technical Data Sheet

## Purified Mouse Anti-Rat IgE

## Product Information

Material Number:	553914
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	B41-1
Immunogen:	Pooled rat IgE
Isotype:	Mouse (BALB/c) IgG1, $\kappa$
Reactivity:	QC Testing: Rat Lack of Reactivity Confirmed in Development: Rabbit, Hamster, Guinea Pig, Human
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The B41-1 antibody reacts specifically with rat IgE. It does not react with other rat Ig isotypes, nor with rabbit, hamster, guinea pig, or human immunoglobulins.

## Preparation and Storage

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

Store undiluted at 4° C.

## Application Notes

## Application

ELISA	Routinely Tested
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## Recommended Assay Procedure:

For the sandwich rat IgE ELISA, purified B41-1 mAb is optimal for capture with biotinylated B41-3 mAb (Cat. no. 553916) for detection.

## Suggested Companion Products

Catalog Number	Name	Size	Clone
553916	Biotin Mouse Anti-Rat IgE	0.5 mg	B41-3

## 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. Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LE (No Azide/Low Endotoxin) antibody format, if available, for in vitro and in vivo use.
4. 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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