

## Technical Data Sheet

## Purified Mouse Anti-Rat IgG2a

## Product Information

Material Number:	553918
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	B46-7
Immunogen:	Pooled Rat IgG mAbs
Isotype:	Mouse (BALB/c) IgG1, $\kappa$
Reactivity:	QC Testing: Rat
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The B46-7 antibody reacts specifically with rat IgG2a. 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 Capture	Routinely Tested
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## Recommended Assay Procedure:

This antibody has been tested by ELISA (~2  $\mu\text{g/ml}$ ) to assure specificity and reactivity. For the sandwich rat IgG2a ELISA, purified B46-7 mAb is optimal for capture with biotinylated anti-rat IgG2a RG7/1.30 mAb (Cat. No. 553894) for detection.

## Suggested Companion Products

Catalog Number	Name	Size	Clone
553894	Biotin Mouse Anti-Rat IgG2a	0.5 mg	RG7/1.30

## 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.
4. 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.

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