

## Technical Data Sheet

## Purified Mouse Anti-Rat RT1B

## Product Information

<b>Material Number:</b>	554926
<b>Size:</b>	0.5 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Clone:</b>	OX-6
<b>Immunogen:</b>	Ia-like Glycoproteins from Wistar Thymocytes
<b>Isotype:</b>	Mouse (BALB/c) IgG1, $\kappa$
<b>Reactivity:</b>	QC Testing: Rat Tested in Development: Mouse
<b>Storage Buffer:</b>	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The OX-6 antibody reacts with non-polymorphic determinants of the Rat MHC class II antigen, I-A equivalent. RT1B is found on peripheral B lymphocytes, thymic cortical epithelial and medullary reticular cells, small intestinal villus epithelium, epidermal Langerhans cells, dendritic cells, some tissue macrophage populations, peritoneal mast cells, and a subset of thymocytes, but not on peripheral T cells, erythrocytes, or microglia. The OX-6 mAb cross-reacts with mouse I-A[k] and I-A[s] alloantigens and with a major subset of splenocytes from NOD (I-A[g7]) mice.

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

## 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

Flow cytometry	Routinely Tested
Immunohistochemistry-frozen	Tested During Development
Immunohistochemistry-formalin (antigen retrieval required)	Tested During Development
Immunoprecipitation	Reported
Immunoaffinity Chromatography	Reported
Blocking	Reported
Electron microscopy	Reported

## Suggested Companion Products

Catalog Number	Name	Size	Clone
557273	Purified Mouse IgG1, $\kappa$ Isotype Control	0.5 mg	MOPC-31C
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

## 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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