

# Technical Data Sheet

## FITC Mouse Anti-Rat RT1B

### Product Information

<b>Material Number:</b>	554928
<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.

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

Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

### Application Notes

#### Application

Flow cytometry	Routinely Tested
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### Suggested Companion Products

Catalog Number	Name	Size	Clone
550616	FITC Mouse IgG1, $\kappa$ Isotype Control	0.25 mg	MOPC-31C

### 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.

### References

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Mayrhofer G, Pugh CW, Barclay AN. The distribution, ontogeny and origin in the rat of Ia-positive cells with dendritic morphology and of Ia antigen in epithelia, with special reference to the intestine. *Eur J Immunol.* 1983; 13(2):112-122.(Biology)

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