

Datasheet for ABIN2689898  
**anti-RT1-BB antibody (Biotin)**



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## Overview

Quantity:	0.5 mg
Target:	RT1-BB
Reactivity:	Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RT1-BB antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

## Product Details

Brand:	BD Pharmingen™
Immunogen:	Ia-like Glycoproteins from Wistar Thymocytes
Clone:	OX
Isotype:	IgG1 kappa
Characteristics:	<p>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 during antibody development only or reported in the literature.</p>

## Product Details

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BD Pharmingen™ Biotin Mouse Anti-Rat RT1B - Biotin - Clone OX-6 - Isotype Mouse IgG1, κ -  
Reactivity Rat, Ms - 0.5 mg

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

## Target Details

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Target: RT1-BB

Alternative Name: RT1B ([RT1-BB Products](#))

Pathways: [Production of Molecular Mediator of Immune Response](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Concentration: 0.5 mg/mL

Buffer: Aqueous buffered solution containing ≤0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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

Storage: 4 °C

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

## Publications

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Product cited in: Damoiseaux, Yagita, Okumura, van Breda Vriesman: "Costimulatory molecules CD80 and CD86 in the rat; tissue distribution and expression by antigen-presenting cells." in: **Journal of leukocyte biology**, Vol. 64, Issue 6, pp. 803-9, (1998) ([PubMed](#)).

Chen-Woan, Delaney, Fournier, Wakizaka, Murase, Fung, Starzl, Demetris: "In vitro characterization of rat bone marrow-derived dendritic cells and their precursors." in: **Journal of leukocyte biology**, Vol. 59, Issue 2, pp. 196-207, (1996) ([PubMed](#)).

Dick, Ford, Forrester, Sedgwick: "Flow cytometric identification of a minority population of MHC class II positive cells in the normal rat retina distinct from CD45<sup>low</sup>CD11b/c+CD4<sup>low</sup> parenchymal microglia." in: **The British journal of ophthalmology**, Vol. 79, Issue 9, pp. 834-40, (1996) ([PubMed](#)).

Fox, Jewell, Whitacre: "Rat peritoneal mast cells present antigen to a PPD-specific T cell line." in: **Cellular immunology**, Vol. 158, Issue 1, pp. 253-64, (1994) ([PubMed](#)).

Neiss, Becker, Knop, Reske: "Modulation of MHC class II determinants on rat Langerhans cells during short term culture." in: **Advances in experimental medicine and biology**, Vol. 329, pp. 29-34, (1993) ([PubMed](#)).

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