

RT1.Bu Monoclonal Antibody (OX-3)

Catalog NumberMA1-70006

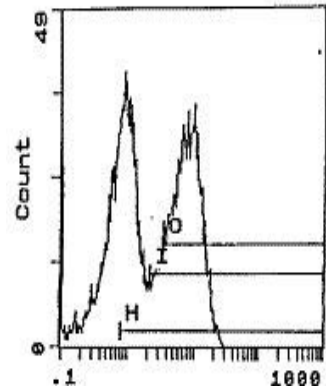
Product data sheet

Details		Species Reactivity	
Size	250 µg	Species reactivity	Rat
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	Flow Cytometry (Flow)	Dilution * 0.02 µg/1x10^6 cells
Type	Antibody	Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent
Clone	OX-3	Immunoprecipitation (IP)	Assay-dependent
Immunogen	Rat thymocyte membrane glycoprotein.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Protein G		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

**Product specific information**

anti-rat RT1.Bu monoclonal antibody recognizes a polymorphic determinant on rat Ia present on Lewis, Wistar, and AO rat strains (although it is apparently expressed in lower amounts in AO rats) but not BN, DA, or PVG/c strains. This antibody also cross-reacts with mouse strains (MHC haplotypes b and s) and analysis of recombinant mouse strains shows that the determinant maps to the I-A region and correlates with mouse Ia specificity 9. Recognizes Ia antigens on approximately 18% of thymocytes but does not significantly label the majority of peripheral T lymphocytes. Thus, this antibody is particularly useful for distinguishing Ia positive cells from different rat strains and has been used in the recognition of cells of donor origin in bone marrow reconstituted radiation chimeras.

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**RT1.Bu Antibody (MA1-70006) in Flow**

Flow cytometric analysis of spleen cells stained using a RT1.Bu monoclonal antibody (Product # MA1-70006) at a 0.05 µg/10<sup>6</sup> cells dilution. The isotype control was a mouse IgG1, kappa

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