

PD1, Mouse Antibody

Rat Monoclonal Antibody [Clone RMP1-14]

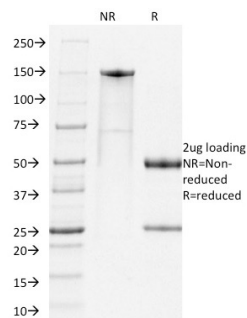
Catalog No	Format	Size
RTM1-2002-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
RTM1-2002-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
RTM1-2002-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details	
Clone	RMP1-14
Immunogen	PDCD1 transfected BHK cells
Host	Rat
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	~50-55kDa
Cellular Localization	Cell membrane
Species Reactivity	Mouse
Positive Control	Spleen, Thymus or Lymph Node.

*Optimal dilution for a specific application should be determined.

Product Images for PD1, Mouse Antibody



SDS-PAGE Analysis of Purified PD1 Rat Monoclonal Antibody (RMP-1-14).
Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

PD-1 is expressed on a subset of CD4-CD8-thymocytes, and on activated T and B cells. PD-1 is thought to be involved in lymphocyte clonal selection and peripheral tolerance. The PD-1 ligands, PD-L1 (also known as B7-H1) and PD-L2 (B7-DC), are members of the B7 immunoglobulin superfamily. PD-1 is transiently expressed on CD4 and CD8 thymocytes as well as activated T and B-lymphocytes and myeloid cells. Additionally, Pdc1mRNA is expressed in developing B-lymphocytes during the pro-B-cell stage. The RMP1-14 antibody has been reported to block the binding of PD-1 to its ligands (B7-H1 and B7-DC) and to inhibit T cell proliferation and cytokine production co-stimulated by macrophages (but not by dendritic cells and B cells).

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.