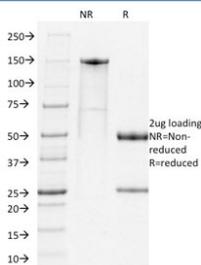


## PD1 Antibody / PDCD1 [clone RMP1-14] (V8347)

Catalog No.	Formulation	Size
V8347-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8347-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8347SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (rat origin)
<b>Isotype</b>	Rat IgG2a, kappa
<b>Clone Name</b>	RMP1-14
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	Q02242
<b>Applications</b>	ELISA (order BSA/azide-free Format For Coating) : Neutralization Studies (order BSA/azide-free Format) : Flow Cytometry : 1-2ug/10 <sup>6</sup> cells in 0.1ml Immunofluorescence : 0.5-1ug/ml
<b>Limitations</b>	This PD1 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free PD1 antibody (clone RMP1-14) as confirmation of integrity and purity.

## Description

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, Pdc1 mRNA 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).**

## Application Notes

Optimal dilution of the PD1 antibody should be determined by the researcher.

## Immunogen

PDCD1 transfected BHK cells were used as the immunogen for the PD1 antibody.

## Storage

Store the PD1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).