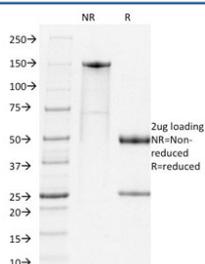


## PD1 Antibody / PDCD1 [clone RMP1-14] (V8347)

| 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>Host</b>               | Rat   |
| <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) :<br>Neutralization Studies (order BSA/azide-free Format) :<br>Flow Cytometry : 1-2ug/10 <sup>6</sup> cells in 0.1ml<br>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 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).