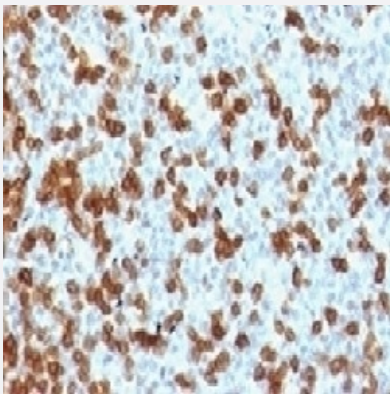


RecomAb™

# PD-1 recombinant monoclonal antibody, clone RMPD1-1

Catalog # RAB03828      Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of human tonsil with anti-PD-1 recombinant monoclonal antibody, clone RMPD1-1 (Cat # RAB03828).

## Specification

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Product Description | Rabbit recombinant monoclonal antibody raised against full length recombinant human PD-1 protein.                   |
| Antibody Species    | Rabbit                                                                                                              |
| Immunogen           | Original antibody is raised against recombinant protein corresponding to full length recombinant human PD-1 protein |
| Reactivity          | Human                                                                                                               |
| Form                | Liquid                                                                                                              |
| Conjugation         | Unconjugated                                                                                                        |
| Purification        | Protein A affinity chromatography                                                                                   |
| Concentration       | 0.2 mg/mL                                                                                                           |
| Isotype             | IgG                                                                                                                 |

|                        |                                                                                                                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommend Usage</b> | Immunofluorescence (0.5-1 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)(0.5-1 ug/mL for 30 min at RT)<br>The optimal working dilution should be determined by the end user. |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                       |                                           |
|-----------------------|-------------------------------------------|
| <b>Storage Buffer</b> | In PBS, 0.1 mg/ml BSA, 0.05% sodium azide |
|-----------------------|-------------------------------------------|

|                            |                                                                    |
|----------------------------|--------------------------------------------------------------------|
| <b>Storage Instruction</b> | Store at 2~8°C.<br>Aliquot to avoid repeated freezing and thawing. |
|----------------------------|--------------------------------------------------------------------|

|             |                                                                           |
|-------------|---------------------------------------------------------------------------|
| <b>Note</b> | Optimal dilutions for each application to be determined by the researcher |
|-------------|---------------------------------------------------------------------------|

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of human tonsil with anti-PD-1 recombinant monoclonal antibody, clone RMPD1-1 (Cat # RAB03828).

- Immunofluorescence

## Gene Info — PDCD1

|                      |                      |
|----------------------|----------------------|
| <b>Entrez GeneID</b> | <a href="#">5133</a> |
|----------------------|----------------------|

|                           |                        |
|---------------------------|------------------------|
| <b>Protein Accession#</b> | <a href="#">Q15116</a> |
|---------------------------|------------------------|

|                  |       |
|------------------|-------|
| <b>Gene Name</b> | PDCD1 |
|------------------|-------|

|                   |                                 |
|-------------------|---------------------------------|
| <b>Gene Alias</b> | CD279, PD1, SLEB2, hPD-1, hPD-I |
|-------------------|---------------------------------|

|                         |                         |
|-------------------------|-------------------------|
| <b>Gene Description</b> | programmed cell death 1 |
|-------------------------|-------------------------|

|                |                               |
|----------------|-------------------------------|
| <b>Omim ID</b> | <a href="#">152700 600244</a> |
|----------------|-------------------------------|

|                      |                           |
|----------------------|---------------------------|
| <b>Gene Ontology</b> | <a href="#">Hyperlink</a> |
|----------------------|---------------------------|

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Summary</b> | This gene encodes a cell surface membrane protein of the immunoglobulin superfamily. This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3 antibodies are injected and large number of thymocytes undergo apoptosis. Mice deficient for this gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that this gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases. [provided by RefSeq] |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                           |   |
|---------------------------|---|
| <b>Other Designations</b> | - |
|---------------------------|---|

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Addison Disease](#)
- [Alveolitis](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Carcinoma](#)
- [Choriocarcinoma](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Hydatidiform Mole](#)
- [Inflammation](#)
- [Kidney Diseases](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)

- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Neovascularization](#)
- [Polyendocrinopathies](#)
- [Spondylitis](#)
- [Uterine Cervical Neoplasms](#)
- [Uveomeningoencephalitic Syndrome](#)
- [Vasculitis](#)
- [Wegener Granulomatosis](#)