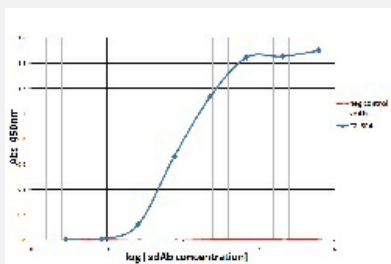


RecomAb™

# PD-1 recombinant monoclonal antibody, clone F2-5F4

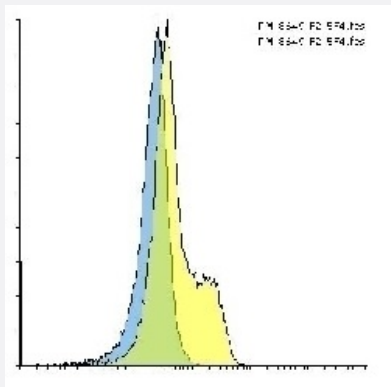
Catalog # RAB03745      Size 100 ug

## Applications



### Enzyme-linked Immunoabsorbent Assay

ELISA analysis of human PD-1 using anti-PD-1 recombinant monoclonal antibody, clone F2-5F4 (Cat # RAB03745).



### Flow Cytometry

Flow-cytometry analysis of PD-1 transfectant 293 cells using human anti-PD-1 recombinant monoclonal antibody, clone F2-5F4 (Cat # RAB03745).

## Specification

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Llama recombinant monoclonal antibody raised against synthetic peptide corresponding to amino acids 25 - 167 of human PD-1. |
| <b>Antibody Species</b>    | Llama                                                                                                                       |
| <b>Immunogen</b>           | Original antibody is raised against a synthetic peptide corresponding to amino acids 25 - 167 of human PD-1                 |
| <b>Reactivity</b>          | Human                                                                                                                       |

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                              |
| Conjugation         | Unconjugated                                                                                                        |
| Purification        | affinity chromatography                                                                                             |
| Concentration       | 1 mg/mL                                                                                                             |
| Isotype             | sdAb                                                                                                                |
| Recommend Usage     | ELISA (10 µg/ml)<br>Flow cytometry (10 µg/ml)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS                                                                                                              |
| Storage Instruction | Store in working aliquots at -20°C for 1 year.<br>Aliquot to avoid repeated freezing and thawing.                   |
| Note                | Optimal dilutions for each application to be determined by the researcher.                                          |

## Applications

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of human PD-1 using anti-PD-1 recombinant monoclonal antibody, clone F2-5F4 (Cat # RAB03745).

- Flow Cytometry

Flow-cytometry analysis of PD-1 transfected 293 cells using human anti-PD-1 recombinant monoclonal antibody, clone F2-5F4 (Cat # RAB03745).

## Gene Info — PDCD1

|                    |                                 |
|--------------------|---------------------------------|
| Entrez GeneID      | <a href="#">5133</a>            |
| Protein Accession# | <a href="#">Q15116</a>          |
| Gene Name          | PDCD1                           |
| Gene Alias         | CD279, PD1, SLEB2, hPD-1, hPD-I |
| Gene Description   | programmed cell death 1         |
| Omim ID            | <a href="#">152700 600244</a>   |
| Gene Ontology      | <a href="#">Hyperlink</a>       |

**Gene Summary**

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]

**Other Designations**

-

**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](#)