

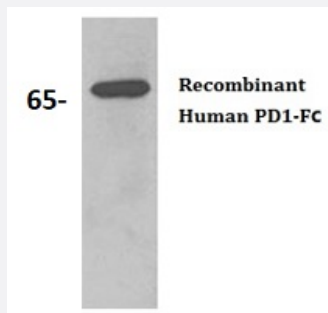
RecomAb™

HuAb

# PDCD1 humanized recombinant monoclonal antibody

Catalog # RAB02653      Size 100 uL

## Applications



### Neutralization

Western blot shows binding reaction of PDCD1 humanized recombinant monoclonal antibody (Cat # RAB02653) and recombinant human PD1 (with Fc tag). Recombinant human PD1 (Fc) was electrophoresed by SDS-PAGE and transferred on PVDF membrane. PVDF membrane was probed with PD1 monoclonal antibody (Humanized) followed by HRP-conjugated Anti-Human IgG Fab secondary Antibody.

## Specification

|                      |                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------|
| Product Description  | Human recombinant monoclonal antibody raised against human PDCD1.                                    |
| Antibody Species     | Human                                                                                                |
| Immunogen            | Variable region genes (including VH & VL) of this antibody were derived from a single B cell by PCR. |
| Theoretical MW (kDa) | 32                                                                                                   |
| Reactivity           | Human                                                                                                |
| Specificity          | This antibody detects endogenous levels of human PD1 protein.                                        |
| Form                 | Liquid                                                                                               |
| Purification         | Protein A purification                                                                               |
| Isotype              | IgG                                                                                                  |
| Recommend Usage      | Neutralization<br>Blocking<br>The optimal working dilution should be determined by the end user.     |

**Storage Buffer**

In PBS with 50% Glycerol

**Storage Instruction**

Store at 4°C short term.  
Aliquot and store at -20°C long term.  
Avoid freeze-thaw cycles.

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## Gene Info — PDCD1

**Entrez GeneID**[5133](#)**Protein Accession#**[Q15116](#)**Gene Name**

PDCD1

**Gene Alias**

CD279, PD1, SLEB2, hPD-1, hPD-I

**Gene Description**

programmed cell death 1

**Omim ID**[152700 600244](#)**Gene Ontology**[Hyperlink](#)**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 numbers 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](#)