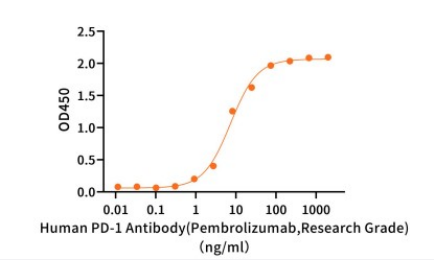
RecomAb™

PDCD1 recombinant monoclonal antibody (Pembrolizumab)

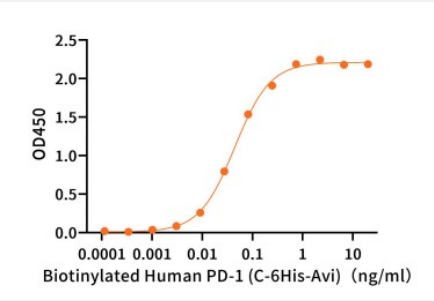
Catalog # RAB09736 Size 50 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Recombinant Human PD-1 (C-6His) at 2ug/mL (100 uL/well) can bind PDCD1 recombinant monoclonal antibody (Cat# RAB09736). The ED_{50} of PDCD1 recombinant monoclonal antibody (Cat# RAB09736) is 7.35 ng/mL .



Enzyme-linked Immunoabsorbent Assay

Immobilized PDCD1 recombinant monoclonal antibody (Cat# RAB09736) at 2ug/mL (100 uL/well) can bind Biotinylated Human PD-1 (C-6His-Avi). The ED_{50} of Biotinylated Human PD-1 (C-6His-Avi) is 0.04 ng/mL .

Specification

Product Description	Recombinant human monoclonal antibody raised against human PDCD1.
Host	Human
Theoretical MW (kDa)	49.5, 23.7
Form	Liquid
Preparation Method	Mammalian expression system
Endotoxin Level	< 1 EU/ug as determined by LAL test.

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Isotype	Human IgG4
Regulatory Status	For research use only (RUO)
Recommend Usage	ELISA The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 20 mM Histidine, 8% Sucrose, 0.06% Tween80, pH5.0 (0.2 um filtered solution).
Storage Instruction	Store at -20°C. Avoid multiple freeze-thaw cycles.

Applications

- Enzyme-linked Immunoabsorbent Assay

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- Enzyme-linked Immunoabsorbent Assay

  Immobilized PDCD1 recombinant monoclonal antibody (Cat# RAB09736) at 2ug/mL (100 uL/well) can bind Biotinylated Human PD-1 (C-6His-Avi). The ED_{50} of Biotinylated Human PD-1 (C-6His-Avi) is 0.04 ng/mL .

Gene Info — PDCD1

Entrez GeneID	5133
Protein Accession#	Q15116
Gene Name	PDCD1
Gene Alias	CD279, PD1, SLEB2, hPD-1, hPD-l
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

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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

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- Lupus Nephritis
- Mucocutaneous Lymph Node Syndrome
- Multiple Sclerosis
- Myocardial Infarction
- Neovascularization
- Polyendocrinopathies
- Spondylitis
- Uterine Cervical Neoplasms
- Uveomeningoencephalitic Syndrome
- Vasculitis
- Wegener Granulomatosis

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