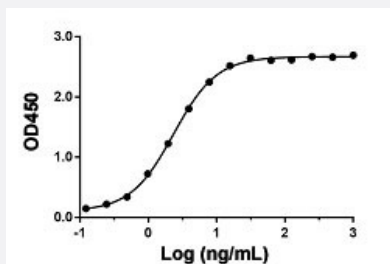


Anti-Pembrolizumab monoclonal antibody, clone 1D6E10

Catalog # MAB23134 Size 40 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Anti-Pembrolizumab monoclonal antibody, clone 1D6E10 (Cat # MAB23134) binds with Pembrolizumab. Coating antigen: Pembrolizumab, 1 ug/mL. Anti-Pembrolizumab monoclonal antibody, clone 1D6E10 (Cat # MAB23134) dilution start from 1000 ng/mL. EC_{50} = 2.58 ng/mL. While the antibody does not recognize the human IgG Fc fragment (data not shown).

Specification

Product Description	Mouse monoclonal antibody raised against Pembrolizumab. Target gene is PD-1.
Immunogen	Pembrolizumab.
Host	Mouse
Specificity	The product is specific for Pembrolizumab.
Form	Lyophilized
Preparation Method	This antibody is produced from a hybridoma resulting from fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with Pembrolizumab.
Purification	Protein A purification
Isotype	IgG1, kappa
Recommend Usage	ELISA (ELISA detection: 0.01-0.1 ug/mL) (Direct ELISA) The optimal working dilution should be determined by the end user.
Inhibitory IC50	Non-inhibitory

Storage Buffer

Lyophilized from PBS, pH 7.4 (0.02% sodium azide).

Storage Instruction

Store at -20°C on dry atmosphere, lyophilized antibodies are stable at 1 years.
After reconstitution with deionized water (or equivalent) to a final concentration of 0.5 mg/mL, it can be stored for 2-3 weeks at 2-8°C or for up to 12 months at -20°C or below.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

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Gene Info — PDCD1

Entrez GeneID[5133](#)**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 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

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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](#)