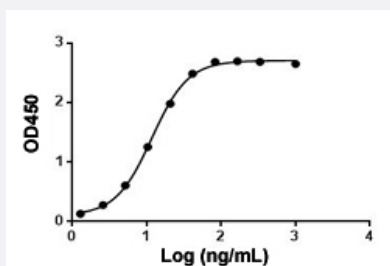


Anti-Nivolumab monoclonal antibody, clone 47F6

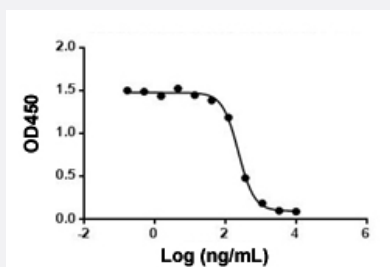
Catalog # MAB23101 Size 40 ug

Applications



Enzyme-linked Immunoabsorbent Assay

ELISA binding of Anti-Nivolumab monoclonal antibody, clone 47F6 (Cat # MAB23101) with Nivolumab. While the antibody does not recognize the human IgG Fc fragment (data not shown). Coating antigen: Nivolumab, 1 ug/mL. Anti-Nivolumab monoclonal antibody, clone 47F6 (Cat # MAB23101) dilutions start from 1000 ng/mL. $EC_{50} = 11.82$ ng/mL.



Blocking

Anti-Nivolumab monoclonal antibody, clone 47F6 (Cat # MAB23101) blocks Nivolumab binding with Human PD-1 recombinant protein (PD-1 Fc Chimera, Human). Coating antigen: Nivolumab, 1 ug/mL. PD-1-Fc-biotin final concentration: 10 ng/mL. Anti-Nivolumab monoclonal antibody, clone 47F6 (Cat # MAB23101) dilutions start from 10 ug/mL. $IC_{50} = 0.10$ ug/mL.

Specification

Product Description	Rabbit monoclonal antibody raised against Nivolumab. Target gene is PD-1.
Immunogen	Nivolumab.
Host	Rabbit
Specificity	Nivolumab.
Form	Lyophilized
Preparation Method	This antibody is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a rabbit immunized with Nivolumab.

Purification	Protein A purification
Isotype	IgG
Recommend Usage	ELISA (ELISA detection: 0.01-0.1 ug/mL) (Direct/Inhibitory ELISA) The optimal working dilution should be determined by the end user.
Inhibitory IC50	0.104 ug/mL
Storage Buffer	Lyophilized from PBS, pH 7.4 (0.02% sodium azide).
Storage Instruction	Store at -20°C on dry atmospher. The lyophilized product remains stable up to 1 year at -20°C from date of receipt. 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

ELISA binding of Anti-Nivolumab monoclonal antibody, clone 47F6 (Cat # MAB23101) with Nivolumab. While the antibody does not recognize the human IgG Fc fragment (data not shown). Coating antigen: Nivolumab, 1 ug/mL. Anti-Nivolumab monoclonal antibody, clone 47F6 (Cat # MAB23101) dilutions start from 1000 ng/mL. EC₅₀ = 11.82 ng/mL.

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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

-

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](#)