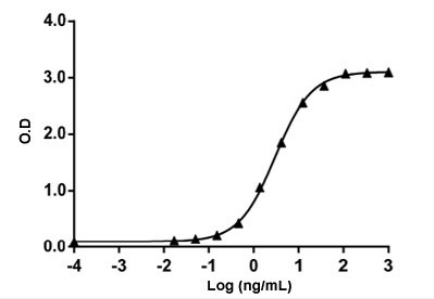
Anti-Nivolumab recombinant monoclonal antibody, clone 6G5

Catalog # RAB09629 Size 40 ug

Applications



Enzyme-linked Immunoabsorbent Assay

ELISA binding of Anti-Nivolumab monoclonal antibody, clone 6G5 (Cat # RAB09629) with Nivolumab. Coating antigen: Nivolumab, 1 ug/mL. Anti-Nivolumab monoclonal antibody, clone 6G5 dilution start from 1000 ng/mL. EC_{50}= 3.01 ng/mL. While the antibody does not recognize the human IgG Fc fragment (data not shown).

Specification

Product Description	Recombinant mouse monoclonal antibody raised against Nivolumab. Target gene is PD-1.
Immunogen	Nivolumab.
Host	Mouse
Specificity	The product is specific for Nivolumab. The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody Anti-Nivolumab recombinant monoclonal antibody, clone 8G6G3D8 (Cat # RAB09627).
Form	Lyophilized
Preparation Method	This antibody is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Nivolumab.
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	ELISA (0.01-0.1 ug/mL (Direct/Indirect)) The optimal working dilution should be determined by the end user.

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Inhibitory IC50	Non-inhibitory
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

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Gene Info — PDCD1

Entrez GeneID	5133
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
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

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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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