



PD-1 mouse mAb

Catalog No	YP-mAb-17230
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PDCD1 PD1
Immunogen	Synthesized peptide derived from human Pdcd-1 AA range: 80-130
Specificity	This antibody detects endogenous levels of Human Pdcd-1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CD279;PD1;PD-1;PD 1;hPD-1;PDCD1 PD1;Pdcd-1;Programmed cell death protein 1 (Protein PD-1;CD antigen CD279)
Observed Band	32kD
Calculated Molecular Weight	32kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein.
Tissue Specificity	
Function	developmental stage:Induced at programmed cell death.,disease:Genetic variation in PDCD1 is associated with susceptibility to systemic lupus erythematosus type 2 (SLEB2) [MIM:605218]. Systemic lupus erythematosus is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.,function:Possible cell death inducer, in association with other factors.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:Monomer.,

Background

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, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images