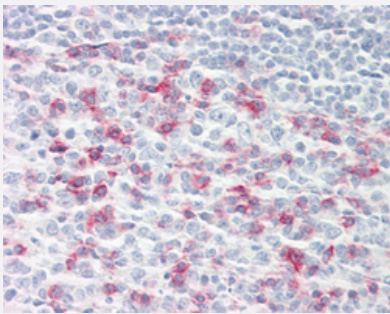


PDCD1 monoclonal antibody, clone J116

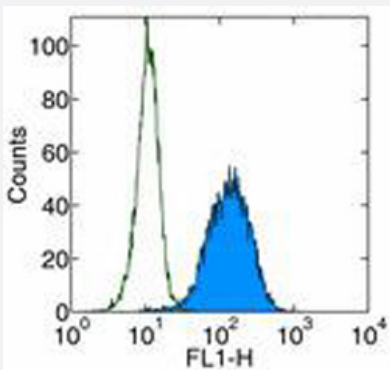
Catalog # MAB16293 Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with PDCD1 monoclonal antibody, clone J116 (Cat # MAB16293).



Flow Cytometry

Flow cytometric analysis of human PD-1 transfected cells with PDCD1 monoclonal antibody, clone J116 (Cat # MAB16293).

Specification

Product Description	Mouse monoclonal antibody raised against human PDCD1.
Immunogen	Human PDCD1.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Affinity purification

Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (20 ug/mL) Immunohistochemistry (Frozen sections) Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.09% sodium azide).
Storage Instruction	Store at 4°C. 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

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with PDCD1 monoclonal antibody, clone J116 (Cat # MAB16293).
- Immunohistochemistry (Frozen sections)
- Immunoprecipitation
- Flow Cytometry
Flow cytometric analysis of human PD-1 transfected cells with PDCD1 monoclonal antibody, clone J116 (Cat # MAB16293).

Gene Info — PDCD1

Entrez GeneID	5133
Protein Accession#	Q15116
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 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

-

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](#)