PDCD1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PDCD1, Monoclonal Antibody
Full Product Name	PDCD1 (Programmed Cell Death 1, Programmed Cell Death Protein 1, CD279, HGNC:8760, hPD-1, PD1, PD-1, Protein PD-1, SLEB2) (AP)
Product Gene Name	anti-PDCD1 antibody
Product Synonym Names	CD279 Antigen
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	10B1227
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. Labeled with Alkaline Phosphatase.
Purity/Purification	Purified by Protein G Affinity Chromatography
Specificity	Recognizes human PDCD1.
Preparation and Storage	Store at 4 degree C. Do Not Freeze.
Molecular Weight	31,647 Da
OMIM	L27440 Genomic DNA
3D Structure	ModBase 3D Structure for Q15116
Immunogen	Recombinant protein corresponding to aa21-167 from human PDCD1 purified from E. coli.
Conjugate	AP
Product Categories/Family for anti-PDCD1 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-PDCD1 antibody	ELISA (EIA), Western Blot (WB)
Related Product Information for anti-PDCD1 antibody	MBS6248226 is an antibody targeting PDCD1. Also known as PDCD1 (Programmed Cell Death 1, Programmed Cell Death Protein 1, CD279, HGNC:8760, hPD-1, PD1, PD-1, Protein PD-1, SLEB2) (AP). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-PDCD1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PDCD1. It may not necessarily be applicable to this product.

NCBI GI #	145559515
NCBI GeneID	5133
NCBI Accession #	Q15116.3

UniProt Primary Accession #	Q15116
UniProt Secondary Accession #	O00517; Q8IX89
UniProt Related Accession #	Q15116
NCBI Official Full Name	Programmed cell death protein 1
NCBI Official Synonym Full Names	programmed cell death 1
NCBI Official Symbol	PDCD1
NCBI Official Synonym Symbols	PD1; PD-1; CD279; SLEB2; hPD-1; hPD-l; hSLE1
UniProt Protein Name	Programmed cell death protein 1
UniProt Synonym Protein Names	CD_antigen: CD279
Protein Family	Programmed cell death protein
UniProt Gene Name	PDCD1
UniProt Synonym Gene Names	PD1; Protein PD-1; hPD-1
NCBI Protein Information	programmed cell death protein 1
NCBI Summary for PDCD1	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]
UniProt Comments for PDCD1	Inhibitory cell surface receptor involved in the regulation of T-cell function during immunity and tolerance. Upon ligand binding, inhibits T-cell effector functions in an antigen-specific manner. Possible cell death inducer, in association with other factors.
Research Articles on PDCD1	**1.** Report hyperprogression/reduced progression-free survival during anti-PD-1/PD-L1 therapy in patients with recurrent and/or metastatic head and neck squamous cell carcinoma.
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