PDCD1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PDCD1, Polyclonal Antibody
Full Product Name	PDCD1 Antibody
Product Gene Name	anti-PDCD1 antibody
Product Synonym Names	PD1; PD-1; CD279; SLEB2; hPD-1; hPD-l
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total PDCD1 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	31,647 Da
OMIM	L27440 Genomic DNA
3D Structure	ModBase 3D Structure for Q15116
Immunogen	Synthetic peptide corresponding to residues near the C terminal of human Programmed cell death 1
Product Categories/Family for anti-PDCD1 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PDCD1 antibody	Immunohistochemistry (IHC)
Application Notes for anti-PDCD1 antibody	IHC: 1:50-1:200
Related Product Information for anti-PDCD1 antibody	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
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.
Searchable Terms for PDCD1 purchase	MBS8590553 is an antibody targeting PDCD1. Also known as PDCD1 Antibody. Reactive in Human. Host: Rabbit.

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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