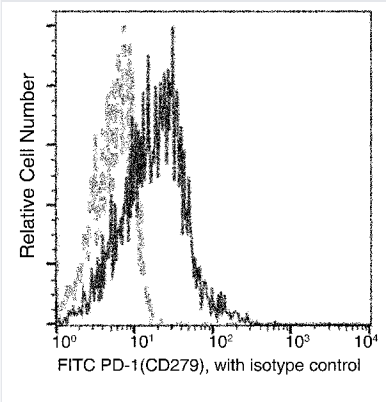
PDCD1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PD-1 (PDCD1), Monoclonal Antibody
Full Product Name	Anti-PD-1 Antibody (FITC), Mouse Monoclonal
Product Gene Name	anti-PDCD1 antibody
Product Synonym Names	PD-1/PDCD1 Antibody (FITC), Mouse MAb; programmed cell death 1; Anti-CD279 Antibody; Anti-hPD-1 Antibody; Anti-hPD-l Antibody; Anti-hSLE1 Antibody; Anti-PD-1 Antibody; Anti-PD1 Antibody; Anti-SLEB2 Antibody
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	18
Host	Mouse
Form/Format	Liquid; Aqueous solution containing 0.5% BSA and 0.03%ProClin300
Concentration	5ul/Test, 0.1mg/ml (lot specific)
Specificity	Human PD-1/PDCD1
Preparation and Storage	This antibody can be stored at 2-8 degree C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze!
Immunogen	Recombinant Human PD-1/PDCD1 Protein
Conjugation	FITC
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human PD-1/PDCD1 (rh PD-1/PDCD1) and conjugated with FITC under optimum conditions, the unreacted FITC was removed.
Product Categories/Family for anti-PDCD1 antibody	ITIM/ITAM Immunoreceptors and Related Molecules Cancer Drug Targets
Applications Tested/Suitable for anti-PDCD1 antibody	Flow Cytometry (FC)
Related Product Information for anti-PDCD1 antibody	MBS8102558 is an antibody targeting PDCD1. Also known as Anti-PD-1 Antibody (FITC), Mouse Monoclonal. Host: Mouse.
Product References and Citations for anti-PDCD1 antibody	James ES, et al. (2005) PDCD1: a tissue-specific susceptibility locus for inherited inflammatory disorders. Genes Immun. 6(5): 430-7.Okazaki T, et al. (2007) PD-1 and PD-1 ligands: from discovery to clinical application. Int Immunol. 19(7): 813-24.del Rio ML, et al. (2008) PD-1/PD-L1, PD-1/PD-L2, and other co-inhibitory signaling pathways in transplantation. Transpl Int. 21(11): 1015-28.Riley JL.(2009) PD-1 signaling in primary T cells. Immunol Rev. 229(1): 114-25.
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.



Flow Cytometry (FC/FACS) of anti-PDCD1 antibody
Flow cytometric analysis of Human PD-1 (CD279) expression on PHA-activated human whole blood Lymphocytes. Cells were stained with FITC-conjugated anti-Human PD-1 (CD279). The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable Lymphocytes.Flow Cytometry was performed on a BD FACSCalibur flow cytometry system.

ADDITIONAL DETAILS

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

NCBI GI #	167857792
NCBI GeneID	5133
NCBI Accession #	NP_005009.2
UniProt Secondary Accession #	O00517; Q8IX89
UniProt Related Accession #	Q15116
GenBank Nucleotide #	NM_005018.2
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
Protein Family	Programmed cell death protein
NCBI Protein Information	programmed cell death protein 1; protein PD-1; systemic lupus erythematosus susceptibility 2
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]
Research Articles on PDCD1	**1.** These data strongly support testing of PD-1-blocking agents in combination with standard-of-care chemoradiotherapy for papillomavirus (HPV)-related oropharyngeal cancer .
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