PD1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PD1, Monoclonal Antibody
Full Product Name	Anti-PD1 Blocking Antibody
Product Gene Name	anti-PD1 antibody
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3A11
Host	Mouse
Species Reactivity	Human, Mouse
Form/Format	1*TBS (pH7.4), 0.5% BSA, 50% Glycerol. 0.05% Sodium Azide.
Purity/Purification	Protein G Affinity Purified
Preparation and Storage	Store at 4 degree C after thawing. Aliquot store at -20 degree C or -80 degree C. Avoid repeated freeze/thaw cycles.
OMIM	L27440 Genomic DNA
3D Structure	ModBase 3D Structure for Q15116
Immunogen	Recombinant Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-PD1 antibody	MBS8564759 is an antibody targeting PD1. Also known as Anti-PD1 Blocking Antibody. Reactive in Human, Mouse. Host: Mouse.
Other Notes	Small volumes of anti-PD1 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 PD1. 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 #	Q02242
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	Spermatogenesis-associated 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 PD1	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 PD1	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 PD1	**1.** We show that PD-1 knockdown enhances immediate tumor killing but is limited by compensatory engagement of alternative co-inhibitory and senescence program upon repetitive stimulation.
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