PD-1 Antibody

PRODUCT OVERVIEW

Product Name	PD-1, Antibody
Full Product Name	Anti-PD-1 (pimivalimab biosimilar) mAb
Product Gene Name	anti-PD-1 antibody
Product Synonym Names	PD1; PD-1; CD279; SLEB2; hPD-1; hPD-l; hSLE1; JTX-4014; JTX4014; JTX4014
Isotype	IgG4
Species Reactivity	Human
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Molecular Weight	31,647 Da
OMIM	L27440 Genomic DNA
3D Structure	ModBase 3D Structure for Q15116
Product Categories/Family for anti-PD-1 antibody	Biosimilar reference antibodies
Applications Tested/Suitable for anti-PD-1 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-PD-1 antibody	MBS1881552 is an antibody targeting PD-1. Also known as Anti-PD-1 (pimivalimab biosimilar) mAb. Reactive in Human.
Other Notes	Small volumes of anti-PD-1 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 PD-1. 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
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 PD-1	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 PD-1	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 PD-1	**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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