PD-1 Antibody

PRODUCT OVERVIEW

Product Name	PD-1, Antibody
Full Product Name	Biotinylated Anti-PD-1 (cetrelimab biosimilar) mAb
Product Gene Name	anti-PD-1 antibody
Product Synonym Names	PD1; PD-1; CD279; SLEB2; hPD-1; hPD-l; hSLE1; JNJ 63723283; JNJ63723283; JNJ-3283; JNJ3283
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
Conjugation	Biotinylated
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	MBS1881055 is an antibody targeting PD-1. Also known as Biotinylated Anti-PD-1 (cetrelimab 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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