PD-1 Antibody

PRODUCT OVERVIEW

Product Name	PD-1, Antibody
Full Product Name	Anti-PD-1 (serplulimab biosimilar) mAb
Product Gene Name	anti-PD-1 antibody
Product Synonym Names	PD1; PD-1; CD279; SLEB2; hPD-1; hPD-l; hSLE1; HLX-10; HLX10; HLX 10
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	MBS1881690 is an antibody targeting PD-1. Also known as Anti-PD-1 (serplulimab 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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-antibody/pd-1/1881690