PD-L1 Antibody

PRODUCT OVERVIEW

Product Name	PD-L1, Antibody
Full Product Name	Anti-PD-L1 (sugemalimab biosimilar) mAb
Product Gene Name	anti-PD-L1 antibody
Product Synonym Names	B7-H; B7H1; PDL1; PD-L1; hPD-L1; PDCD1L1; PDCD1LG1; Cejemly; CS-1001; CS1001; CS 1001; Sugelimab; WBP-3155; WBP3155; WBP 3155; Zegema; Zegemet; Zegemex; ZEJIEMEI
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	33,275 Da
OMIM	605402
3D Structure	ModBase 3D Structure for Q9NZQ7
Product Categories/Family for anti-PD-L1 antibody	Biosimilar reference antibodies
Applications Tested/Suitable for anti-PD-L1 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-PD-L1 antibody	MBS1881735 is an antibody targeting PD-L1. Also known as Anti-PD-L1 (sugemalimab biosimilar) mAb. Reactive in Human.
Other Notes	Small volumes of anti-PD-L1 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-L1. It may not necessarily be applicable to this product.

NCBI GI #	390979639
NCBI GeneID	29126
NCBI Accession #	NP_001254635.1
UniProt Primary Accession #	Q9NZQ7
UniProt Secondary Accession #	Q14CJ2; Q2V8D5; Q66RK1; Q6WEX4; Q9NUZ5; B2RBA2; B4DU27
UniProt Related Accession #	Q9NZQ7
GenBank Nucleotide #	NM_001267706.1
NCBI Official Full Name	programmed cell death 1 ligand 1 isoform b
NCBI Official Synonym Full Names	CD274 molecule

NCBI Official Symbol	CD274
NCBI Official Synonym Symbols	B7-H; B7H1; PDL1; PD-L1; PDCD1L1; PDCD1LG1
UniProt Protein Name	Programmed cell death 1 ligand 1
UniProt Synonym Protein Names	B7 homolog 1
UniProt Gene Name	CD274
UniProt Synonym Gene Names	B7H1; PDCD1L1; PDCD1LG1; PDL1; PD-L1; PDCD1 ligand 1; Programmed death ligand 1; B7-H1
UniProt Entry Name	PD1L1_HUMAN
NCBI Protein Information	programmed cell death 1 ligand 1; B7 homolog 1; CD274 antigen; PDCD1 ligand 1; programmed death ligand 1
UniProt Comments for PD-L1	CD274: Involved in the costimulatory signal, essential for T- cell proliferation and production of IL10 and IFNG, in an IL2- dependent and a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation and cytokine production. Belongs to the immunoglobulin superfamily. BTN/MOG family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 9p24 Cellular Component: plasma membrane; integral to membrane; endomembrane system; external side of plasma membrane Molecular Function: protein binding Biological Process: regulation of activated T cell proliferation; cell surface receptor linked signal transduction; negative regulation of interleukin-10 production; negative regulation of interferon-gamma production; negative regulation of activated T cell proliferation; T cell costimulation; immune response; positive regulation of T cell proliferation; signal transduction
Research Articles on PD-L1	**1.** Upregulation of B7-H1 in gastric cancer tissue correlated with disease progression and prognosis of gastric cancer patients.
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