CD274 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD274, Monoclonal Antibody
Full Product Name	Anti-CD274 Antibody
Product Gene Name	anti-CD274 antibody
Product Synonym Names	B7H1; PDCD1L1; PDCD1LG1; PDL1; Programmed cell death 1 ligand 1; PD-L1; PDCD1 ligand 1; Programmed death ligand 1; B7 homolog 1; B7-H1; CD274
Clonality	Monoclonal
Isotype	Mouse IgG2b kappa
Clone Number	29E.2A3
Host	Mouse
Species Reactivity	Human
Form/Format	Mouse IgG2b kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.
Purity/Purification	The antibody was purified by affinity chromatography.
Preparation and Storage	Shipped and store at 4 degree C for one year. Do not freeze.
Molecular Weight	33,275 Da
OMIM	605402
3D Structure	ModBase 3D Structure for Q9NZQ7
Immunogen	Full length human PD-L1
Product Categories/Family for anti-CD274 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD274 antibody	Immunofluorescence (IF), Flow Cytometry (FC/FACS)
Related Product Information for anti-CD274 antibody	MBS8605611 is an antibody targeting CD274. Reactive in Human. Host: Mouse. Mouse monoclonal antibody to CD274
Other Notes	Small volumes of anti-CD274 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 CD274. 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
Protein Family	Programmed cell death
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 CD274	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 CD274	**1.** Upregulation of B7-H1 in gastric cancer tissue correlated with disease progression and prognosis of gastric cancer patients.
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