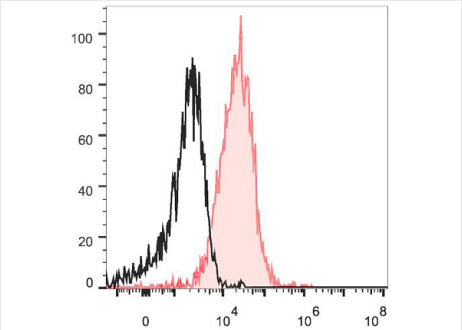
CD274 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD274, Monoclonal Antibody
Full Product Name	PE Anti-Human CD274 (29E.2A3)
Product Gene Name	anti-CD274 antibody
Product Synonym Names	Human CD274; B7-H1; PD-L1; Programmed cell death ligand 1; B7 homolog 1; B7-H; B7H1; PDL1; PDCD1L1; PDCD1LG1
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	29E.2A3
Host	Mouse
Species Reactivity	Human
Form/Format	Liquid PBS with 0.1% sodium azide, 1%BSA, pH7.3
Preparation and Storage	Store at 2-8 degree C for 12 months (Avoid repeated freeze/thaw cycles.)
Molecular Weight	33,275 Da
OMIM	605402
3D Structure	ModBase 3D Structure for Q9NZQ7
Conjugation	PE
Product Categories/Family for anti-CD274 antibody	Flow cytometry Antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-CD274 antibody	Flow Cytometry (FC/FACS/FCM)
Application Notes for anti-CD274 antibody	Volume per test: 5uL. Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5uL of antibody per test (million cells in 100uL staining volume or per 100uL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
Related Product Information for anti-CD274 antibody	MBS7620705 is an antibody targeting CD274. Also known as PE Anti-Human CD274 (29E.2A3). Reactive in Human. Host: Mouse.
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.



Flow Cytometry (FCM/FACS) of anti-CD274 antibody

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.
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.
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