

Mouse CD274 Monoclonal Antibody | anti-CD274 antibody

Anti-Hu CD274 PE-Cyanine7

CATALOG # AAA128303	HOST Mouse	REACTIVITY Non-human primates, Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD274; Monoclonal Antibody; Anti-Hu CD274 PE-Cyanine7; CD274 molecule; B7-H; B7H1; PDL1; PD-L1; PDCD1L1; PDCD1LG1; PDCD1 ligand 1; B7 homolog 1; B7-H1; anti-CD274 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Non-human primates, Human
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	29E.2A3
Specificity	The mouse monoclonal antibody 29E.2A3 recognizes an extracellular epitope of CD274 / PD-L1 (also known as B7-H1), a 40 kDa type I transmembrane protein expressed by dendritic cells, activated T cells, activated monocytes, and in various tissues, above all in heart and skeletal muscle, placenta and lung, and in many cancer cells, including T cell lymphomas, melanomas, and glioblastomas.
Purity/Purification	The purified antibody is conjugated with tandem dye PE-Cyanine7 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	176
Applicable Applications for anti-CD274 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Full length human CD274
Conjugation	PE-Cyanine7
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD274 antibody	CD274 / PD-L1 (programmed death ligand-1), also known as B7-H1, is a member of the B7 family of regulatory proteins. It can act as both costimulatory and coinhibitory molecule for T cells. Interaction with its ligand CD279 (PD1) appears to be important in the maintenance of peripheral tolerance and in prevention of tumor rejection. Even pathogens (e.g. Schistosoma) may exploit CD274 to evade an immune response. Besides CD279, existence of other receptor(s) for CD274 is likely.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	390979639
NCBI GeneID	29126
NCBI Accession #	NP_001254635.1

NCBI GenBank Nucleotide #	NP_001254635.1
UniProt Accession #	Q9NZQ7
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; hPD-L1; PDCD1L1; PDCD1LG1
NCBI Protein Information	programmed cell death 1 ligand 1
UniProt Protein Name	Programmed cell death 1 ligand 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

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd274-antibody-clone-29e-2a3-flow-cytometry-elisa/128303>