

Rabbit anti-Human CD274/B7-H1/PD-L1 Polyclonal Antibody | anti-CD274 antibody

CD274/B7-H1/PD-L1 Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163128	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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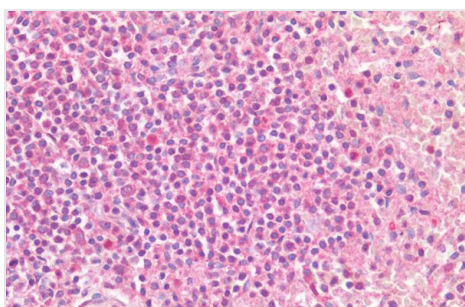
PRODUCT SYNONYMS

CD274/B7-H1/PD-L1; Polyclonal Antibody; CD274/B7-H1/PD-L1 Rabbit anti-Human Polyclonal Antibody; PathPlus CD274/B7-H1/PD-L1 Antibody; CD274; B7-H; B7 homolog 1; B7-H1; B7H1; CD274 molecule; CD274 antigen; PDCD1 ligand 1; PDL1; PD-L1; PDCD1L1; PDCD1LG1; Programmed death ligand 1; anti-CD274 antibody

PRODUCT SPECIFICATIONS

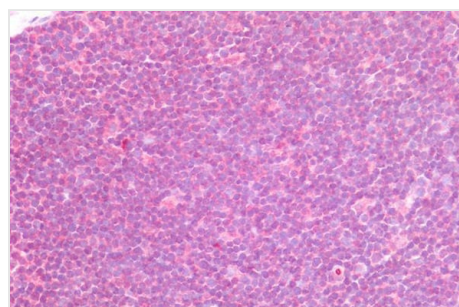
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD274 antibody	IHC (Immunohistochemistry)
Target	Human CD274/B7-H1/PD-L1
Immunogen	LP-11406, synthetic peptide
Conjugation	Unconjugated
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



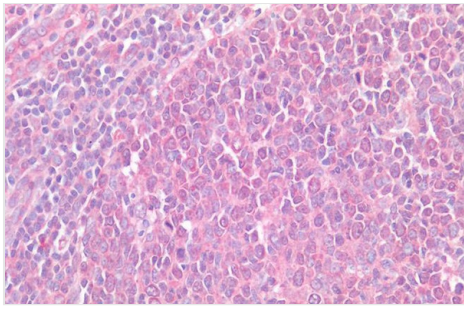
IHC (Immunohistochemistry)

CD274/B7-H1/PD-L1 Antibody-Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

CD274/B7-H1/PD-L1 Antibody-Human Thymus: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
CD274/B7-H1/PD-L1 Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-CD274 antibody	PD-L1 antibody is an unconjugated rabbit polyclonal antibody to PD-L1 (CD274/B7-H1) from human. Validated for IHC. PDL1 (CD274), or programmed cell death-ligand 1, is a transmembrane protein expressed in B and T cells that acts as an immune checkpoint regulator by suppressing the T-cell response. The primary receptor for PDL1 is PD1 (PDCD1), and binding of PDL1 to PD1 suppresses T cell migration, proliferation, and restricts tumor cell death. High levels of expression of PDL1 are associated with poor prognosis in certain carcinomas, and expression is also associated with EGFR mutations, the onset of which may directly lead to upregulation of PDL1. Current trials involving PDL1 inhibitors have shown impressive results in treating advanced stage cancers such as melanomas. This protein is expressed in the cytoplasm and membrane in normal immune cells, placental trophoblasts, and some cancers.
References	Dong, H. et al. Nat Med. 2002 Aug;8(8):793-800. Epub 2002 Jun 24; Zhang, 2016; Chen 2015; Tang 2015; Nat Med 2002(8):793

NCBI AND UNIPROT INFORMATION

NCBI GI #	7661534
NCBI GeneID	29126
NCBI Accession #	NP_054862.1
NCBI GenBank Nucleotide #	NM_014143
UniProt Accession #	Q9NZQ7; Q14CJ2; Q2V8D5; Q66RK1; Q6WEX4; Q9NUZ5; B2RBA2; B4DU27
Molecular Weight	20,246 Da
NCBI Official Full Name	programmed cell death 1 ligand 1 isoform a
NCBI Official Synonym Full Names	CD274 molecule
NCBI Official Symbol	CD274
NCBI Official Synonym Symbols	B7-H; B7H1; PDL1; PD-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.