

Product datasheet for **AR50367PU-S**

CD274 / PDL1 (19-238, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CD274 / PDL1 (19-238, His-tag) human recombinant protein, 20 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH MGS</u> <u>HMFTVTV</u> PKDLYVVEYG SNMTIECKFP VEKQLDLAAL IVYWEMEDKN IIQFVHGEEED LKVQHSSYRQ RARLLKDQLS LGNAALQITD VKLQDAGVYR CMISYGGADY KRITVKVNAP YNKINQRILV VDPVTSEHEL TCQAEGYPKA EVIWTSSDHQ VLSGKTTTTN SKREEKLFNV TSTLRINTTT NEIFYCTFRR LDPEENHTAE LVIPELPLAH PPNER
Tag:	His-tag
Predicted MW:	27.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant Human CD274 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001254635</u>
Locus ID:	29126
UniProt ID:	<u>Q9NZQ7</u> , <u>Q0GN75</u>
Cytogenetics:	9p24.1
Synonyms:	B7-H; B7H1; hPD-L1; PD-L1; PDCD1L1; PDCD1LG1; PDL1



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Summary:

This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Cell adhesion molecules (CAMs)

Product images: