

Product datasheet for **AR50469PU-N**

CD274 / PDL1 (19-239, His-tag) Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CD274 / PDL1 (19-239, His-tag) mouse recombinant protein, 0.5 mg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMTFTITA PKDLYVVEYG SNVTMECRFP VERELDLLAL VVYWEKEDEQ VIQFVAGEED LKPQHSNFRG RASLPKDQLL KGNAALQITD VKLQDAGVYC CIISYGGADY KRITLKVNP YRKINQRISV DPATSEHELI CQAEGYPEAE VIWTSNDHQP VSGKRSVTTS RTEGMLLNVT SSLRVNATAN DVFYCTFWRS QPGQNHTAEL IPELPATHP PQNRTH
Tag:	His-tag
Predicted MW:	27.6 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.15M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant mouse 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:	NP_068693
Locus ID:	60533
UniProt ID:	Q9EP73 , Q3U472
Cytogenetics:	19 C1
Synonyms:	A530045L16Rik; B7h1; PD-; Pdcd1l; Pdcd1l1; Pdcd1lg1; Pdl1



[View online »](#)

Summary:

The protein encoded by this gene is 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. Mice deficient for this gene display a variety of phenotypes including decreased allogeneic fetal survival rates and severe experimental autoimmune encephalomyelitis. [provided by RefSeq, Sep 2015]

Product images: