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**Product Data Sheet**


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Product Name: CD274 Mouse  
 Cat. No.: GP23041  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Programmed cell death 1 ligand 1; PD-L1; PDCD1 ligand 1; Programmed death ligand 1; B7 homolog 1; B7-H1; CD274; B7h1; Pcd1l1; Pcd1lg1; Pdl1; A530045L16Rik.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMMFTITA PKDLYVVEYG SNVTMECRFP VERELDLLAL VVYWEKEDEQ VIQFVAGEED LKPQHSNFRG RASLPKDQLL KGNAALQITD VKLQDAGVYC CIISYGGADY KRITLKVNAP YRKINQRISV DPATSEHELI CQAEGYPEAE VIWTNSDHQPVSGKRSVTTTS RTEGMLLNVT SSLRVNATAN DVFYCTFWRS QPGQNHTAEL IPELPATHP PQNRTH.		
Formulation	CD274 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.15M NaCl.		

**Introduction**

CD274 takes part in the costimulatory signal, vital for T-cell proliferation and creation of IL10 and IFNG, in a PDCD1-independent and an IL2-dependent manner. CD274 collaboration with PDCD1 inhibits cytokine production and T-cell proliferation.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

CD274 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 246 amino acids (19-239 a.a) and having a molecular mass of 27.6kDa (Molecular size on SDS-PAGE will appear higher). CD274 is fused to a 25 amino acid His-

**Caution: Product has not been fully validated for medical applications. For research use only.**

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tag at N-terminus & purified by proprietary chromatographic techniques.

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