

## CD274 Mouse

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

**Catalog #:** PRPS-1171

For research use only.

**Synonyms:** Programmed cell death 1 ligand 1, PD-L1, PDCD1 ligand 1, Programmed death ligand 1, B7 homolog 1, B7-H1, CD274, B7h1, Pdc11l1, Pdc1lg1, Pdl1, A530045L16Rik.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSHMFTITA PKDLYVVEYG  
SNVTMECRFP VERELDLLAL VVYWEKEDEQ VIQFVAGEED LKPQHSNFRG RASLPKDQLL  
KGNAALQITD VKLQDAGVYC CIISYGGADY KRITLKVNP YRKINQRISV DPATSEHELI  
CQAEGYPEAE VIWTNSDHQPVSGKRSVTTT RTEGMLLNVT SSLRVNATAN DVFYCTFWRS  
QPGQNHTAEL IIP

**Purity:** Greater than 85% as determined by SDS-PAGE.

**Formulation:**

CD274 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.15M NaCl.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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