

## CD274 Human

**Description:** CD274 Human Recombinant produced in E. coli is a single polypeptide chain containing 245 amino acids (19-238) and having a molecular mass of 27.9kDa (Molecular weight 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-1110

For research use only.

**Synonyms:** CD274 molecule, CD274 antigen, programmed cell death 1 ligand 1, PD-L1, PDCD1L1, PDCD1LG1, PDCD1 ligand 1, B7 homolog 1, B7H1.

**Source:** E.coli.

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

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSHMFTVTV PKDLYVVEYG  
SNMTIECKFP VEKQLDLAAL IVYWEMEDKN IIQFVHGEEED LKVQHSSYRQ RARLLKDQLS  
LGNAALQITD VKLQDAGVYR CMISYGGADY KRITVKVNAP YNKINQRILV VDPVTSEHEL  
TCQAEGYPKA EVIWTSSDHQ VLSGKTTTNN SKREEKLFNV TSTLRINTTT NEIFYCTFRR  
LDPEENHTAE LV

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

The CD274 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.

**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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