

Product Data Sheet

Product Name: CD274 Human, Sf9

Cat. No.: GP23040

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD274 molecule; CD274 antigen; programmed cell death 1 ligand 1; PD-L1; PDCD1L1; PDCD1LG1; PDCD1 ligand 1; B7 homolog 1; B7H1.		
Amino Acid Sequence	ADLFTVTVPK DLYVVEYGSN MTIECKFPVE KQLDLAALIV YWEMEDKNII QFVHGEEEDLK VQHSSYRQRA RLLKDQLSLG NAALQITDVK LQDAGVYRCM ISYGGADYKR ITVKVNAPYN KINQRILVVD PVTSEHELTC QAEGYPKAEV IWTSSDHQVL SGKTTTTNSK REEKLNVTS TLRINTTTNE IFYCTFRRLD PEENHTAELV IPELPLAHPP NERLEPKSCD KHTHCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNAKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQQPENNY KTTTPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH.		
Formulation	CD274 protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

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

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

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CD274 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 462 amino acids (19-238a.a.) and having a molecular mass of 52.5kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). CD274 is expressed with a 239 amino acids hIlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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