
Product Data Sheet

Product Name: CD274 Human

Cat. No.: GP23039

Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
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	MGSSHHHHHH SGLVPRGSH MGSMMFTVTV PKDLYVVEYG SNMTIECKFP VEKQLDLAAL IVYWEMEDKN IIQFVHGEED LKVQHSSYRQ RARLLKDQLS LGNAALQITD VKLQDAGVYR CMISYGGADY KRITVKVNAP YNKINQRILV VDPVTSEHEL TCQAEGYPKA EVIWTSSDHQ VLSGKTTTTN SKREEKLFNV TSTLRINTTT NEIFYCTFRR LDPEENHTAE LVIPELPLAH PPNER.		
Formulation	The CD274 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT 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

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.

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

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