
Recombinant Human PD-L1 (CD274)

Catalog Number: 230-01207

Data Sheet / Certificate of Analysis (CoA)

Last Revised: 11/12/2024

Source

Species	Human
Accession Number	Q9NZQ7
Gene Symbols	CD274
Synonyms	PD-L1, PDCD1 ligand 1, Programmed death ligand 1, hPD-L1, B7 homolog 1, B7-H1,
Expressed Region	Phe19-Arg238

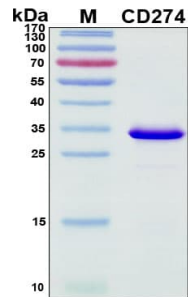
Preparation

Expression System	E. coli
Tag	N-terminal His-tag
Purity	>90%
Molecular Weight	30 kDa

Specifications

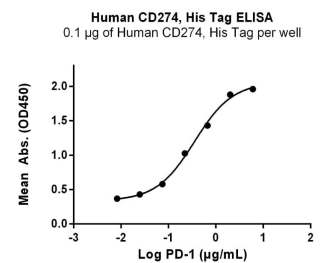
Format	Liquid
Formulation	Supplied as a 0.2 µm filtered solution in 20 mM Tris-HCl (pH 8.0), 50 mM NaCl.
Concentration	Refer to the label on the vial for the specific concentration, determined by Bio-Rad Bradford protein dye reagent concentrate.

SDS-PAGE Image



Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant CD274 at 1 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Human PD-1 with EC50 at 0.35 $\mu\text{g/mL}$.



Shipping

The product is shipped with ice packs. Upon arrival, immediately store it at the temperature recommended below.

Storage/Stability

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- Upon arrival, the liquid protein may be stored for 2 weeks at 4°C.
- For long term storage, it is recommended to store at -20°C or -80°C in appropriate aliquots.
- Generally, the shelf life is up to 6 months from the date of receipt at -20°C or -80°C under sterile conditions.