

Recombinant Human CD274 protein, His-Avi-tagged, Biotinylated

Cat. No. CD274-1283H **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human CD274 Protein (Q9NZQ7-1, 19-238aa), was expressed in HEK293 with C-terminal His tag, Avi tag and biotinylated conjugate. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | 19-238 aa |
| Tag | C-His-Avi |
| Conjugation/Label | Biotin |
| Form | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization. |
| Bio-activity | Immobilized Biotinylated Human PD-L1, His Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human PD-1, hFc Tag with the EC50 of 29.3ng/ml determined by ELISA. |
| Molecular Mass | The protein has a predicted MW of 28.1 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Tris-Bis PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |

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|-----------------------|---|
| Purity | > 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC |
| Storage | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |
| Reconstitution | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Conjugation | Biotin |

GENE INFORMATION

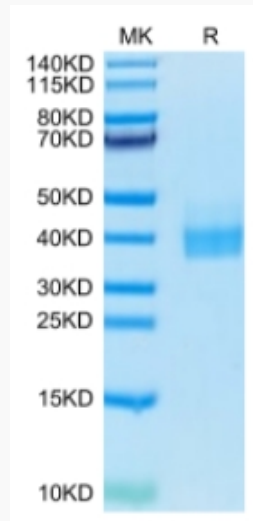
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|------------------------|--|
| Gene Name | CD274 CD274 molecule [Homo sapiens] |
| Official Symbol | CD274 |
| Synonyms | CD274; CD274 molecule; CD274 antigen , PDCD1LG1, programmed cell death 1 ligand 1; programmed cell death 1 ligand 1; B7 homolog 1; B7 H; B7 H1; B7H1; PD L1; PDL1; CD274 antigen; PDCD1 ligand 1; programmed death ligand 1; B7-H; PD-L1; PDCD1L1; PDCD1LG1; MGC142294; MGC142296; |
| Gene ID | 29126 |
| mRNA Refseq | NM_014143 |
| Protein Refseq | NP_054862 |
| MIM | 605402 |
| UniProt ID | Q9NZQ7 |

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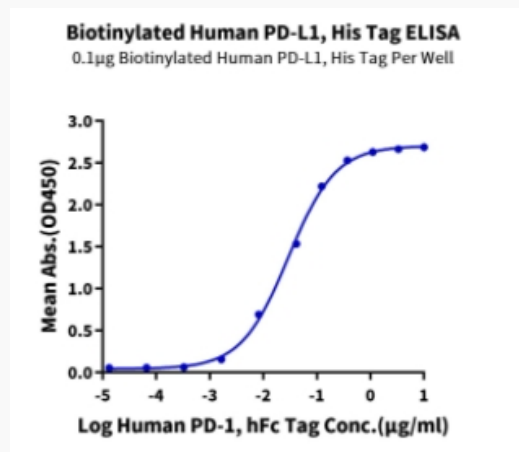
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Tris-Bis PAGE



ELISA Data



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