

Active Recombinant Rat Cd274 protein, His-tagged

Cat. No. Cd274-562R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cd274 Protein (NP_001178883.1, 1-238aa), was expressed in HEK293 with C-terminal His tag.
Species	Rat
Source	HEK293
ProteinLength	1-238 aa
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Rat PD-L1 His at 2 µg/ml (100 µl/well) can bind Rat PD-1 hFc, the EC50 of Rat PD-1 hFc is 15-50ng/mL.
Molecular Mass	The recombinant rat CD274 comprises 232 amino acids and predicts a molecular mass of 26.5 kDa. The apparent molecular mass of the recombinant protein is approximately 50.7 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Cd274 CD274 molecule [*Rattus norvegicus*]

Official Symbol Cd274

Synonyms CD274; CD274 molecule; programmed cell death 1 ligand 1; Pdcd1lg1; RGD1566211;

Gene ID 499342

mRNA Refseq NM_001191954

Protein Refseq NP_001178883

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