

Active Recombinant Rat Cd274 protein, hFc-tagged

Cat. No. Cd274-561R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cd274 Protein (NP_001178883.1, 1-238aa), was expressed in HEK293 with C-terminal hFc 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.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized rat CD274-Fc at 10 µg/ml (100 µl/well) can bind biotinylated rat PD1-Fc, The EC50 of biotinylated rat PD1-Fc is 0.14-0.34 µg/ml.
Molecular Mass	The recombinant rat CD274/Fc is a disulfide-linked homodimer. The reduced monomer comprises 459 amino acids and has a predicted molecular mass of 51.8 kDa. The apparent molecular mass of the protein is approximately 73.2 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 [<i>Rattus norvegicus</i>]
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