

# Active Recombinant Cynomolgus PDCD1 protein, His-Avi-tagged, Biotinylated

Cat. No. PDCD1-0613C Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Cynomolgus PDCD1 protein(Leu25-Gln167), fused with His and Avi tag, was expressed in HEK293.
<b>Species</b>	Cynomolgus
<b>Source</b>	HEK293
<b>ProteinLength</b>	25-167 a.a.
<b>Form</b>	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Biotinylated Cynomolgus PD-1, His,Avitag at 1 μg/mL (100 μL/well) on Streptavidin precoated (0.5 μg/well) plate, can bind Cynomolgus / Rhesus macaque PD-L1, Fc Tag with a linear range of 0.2-5 ng/mL. Immobilized Biotinylated Cynomolgus PD-1, His,Avitag at 1 μg/mL (100 μL/well) on Streptavidin precoated (0.5 μg/well) plate, can bind Nivolumab with a linear range of 1-20 ng/mL. Immobilized Human PD-L2, Fc Tag (HPLC verified) at 5 μg/mL (100 μL/well) can bind Biotinylated Cynomolgus PD-1, His,Avitag with a linear range of 0.039-1.25 μg/mL.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 19.5 kDa. The protein migrates as 30-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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<b>Proteinlength</b>	Leu25-Gln167
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>90% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Biotin

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