

Active Recombinant Canine PDCD1 protein, His-Avi-tagged, Biotinylated

Cat. No. PDCD1-0610C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Canine PDCD1 protein(Leu25-Gly168), fused with His and Avi tag, was expressed in HEK293.
Species	Canine
Source	HEK293
ProteinLength	25-168 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human PD-L1, Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Canine PD-1, His,Avitag with a linear range of 0.001-0.125 µg/mL. Immobilized Biotinylated Canine PD-1, His,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Monoclonal Anti-Human PD-1 Antibody, Human IgG4 with a linear range of 0.004-1 µg/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 19.7 kDa. The protein migrates as 32-36 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Leu25-Gly168

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. 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.
Conjugation	Biotin

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