

Active Recombinant Cynomolgus PDCD1 protein, Fc-tagged

Cat. No. PDCD1-1223C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus PDCD1 protein(Leu 25 - Gln 167), fused with Fc tag, was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	Leu 25 - Gln 167
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Bio-activity	Immobilized Human PD-L1, Mouse IgG1 Fc Tag, low endotoxin (HPLC-verified) at 5 µg/mL (100 µL/well) can bind Cynomolgus PD-1, Fc Tag with a linear range of 3-33 ng/mL. Immobilized Cynomolgus PD-1, Fc Tag at 2 µg/mL (100 µL/well) can bind Nivolumab with a linear range of 0.1-3 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 42.6 kDa. The protein migrates as 55-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE. >95% as determined by SEC-MALS.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
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.

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