

Active Recombinant Mouse Pdcd1 Protein, Fc-Avi-tagged, Biotinylated

Cat. No. Pdcd1-206M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Mouse PD-1 / PDCD1, Fc Tag is expressed from HEK293 cells. It contains AA Leu 25 - Gln 167 (Accession # NP_032824). This protein carries a human IgG1 Fc fragment at the C-terminus, followed by an Avi tag.
Source	HEK293
Species	Mouse
Tag	Fc-Avi
Predicted N Terminal	Leu 25
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Bio-activity	Immobilized Mouse PD-L1 / B7-H1 Protein, Fc Tag at 10 ug/mL (100 uL/well) can bind Biotinylated Mouse PD-1, Fc tag with a linear range of 0.15-2.5 ug/mL.
Molecular Mass	The protein has a calculated MW of 44.6 kDa. The protein migrates as 55-66 kDa on a SDS-PAGE gel under reducing condition due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>92% as determined by SDS-PAGE.

 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

Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°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.

GENE INFORMATION

Gene Name	Pdc1 programmed cell death 1 [Mus musculus]
Official Symbol	Pdc1
Synonyms	PDCD1; programmed cell death 1; programmed cell death protein 1; mPD-1; protein PD-1; PD-1; Pdc1; Ly101;
Gene ID	18566
mRNA Refseq	NM_008798
Protein Refseq	NP_032824

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