

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

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

### SPECIFICATION

|                             |                                                                                                                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | 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. |
| <b>Species</b>              | Mouse                                                                                                                                                                                                                     |
| <b>Source</b>               | HEK293                                                                                                                                                                                                                    |
| <b>ProteinLength</b>        | 25-167 a.a.                                                                                                                                                                                                               |
| <b>Predicted N Terminal</b> | Leu 25                                                                                                                                                                                                                    |
| <b>Form</b>                 | Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.                                                                                                                           |
| <b>Bio-activity</b>         | 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.                                                                 |
| <b>Molecular Mass</b>       | 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.                                                                           |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                           |
| <b>Purity</b>               | >92% as determined by SDS-PAGE.                                                                                                                                                                                           |

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|                       |                                                                                                                                                                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Characteristic</b> | 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.                                                                 |
| <b>Stability</b>      | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                                                                                                                                                        |
| <b>Storage</b>        | 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. |
| <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                                                                                                                                                                                                                                                                                           |

## GENE INFORMATION

|                        |                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Pdc1</a> programmed cell death 1 [ <a href="#">Mus musculus</a> ]                            |
| <b>Official Symbol</b> | <a href="#">Pdc1</a>                                                                                     |
| <b>Synonyms</b>        | PDCD1; programmed cell death 1; programmed cell death protein 1; mPD-1; protein PD-1; PD-1; Pdc1; Ly101; |
| <b>Gene ID</b>         | <a href="#">18566</a>                                                                                    |
| <b>mRNA Refseq</b>     | <a href="#">NM_008798</a>                                                                                |
| <b>Protein Refseq</b>  | <a href="#">NP_032824</a>                                                                                |

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