

# Biotinylated Mouse PD-1/PDCD1 Protein (Primary Amine Labeling)

Cat. No. PD1-MM201B

Description	
Source	Recombinant Biotinylated Mouse PD-1/PDCD1 Protein (Primary Amine Labeling) is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu25-Gln167.
Accession	NP_032824
Molecular Weight	The protein has a predicted MW of 42.9 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per $\mu\text{g}$ by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

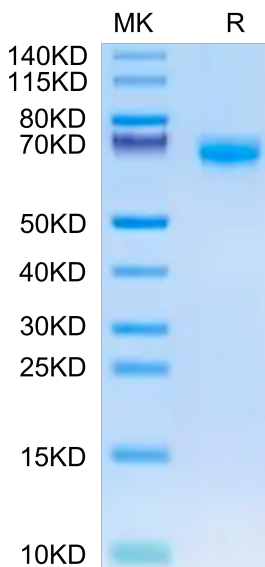
Formulation	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Programmed cell death protein 1, also known as PD-1 and CD279, is a protein found on the surface of cells that has a role in regulating the immune system's response to the cells of the human body by down-regulating the immune system and promoting self tolerance by suppressing T cell inflammatory activity.

## Assay Data

### Bis-Tris PAGE



Biotinylated Mouse PD-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

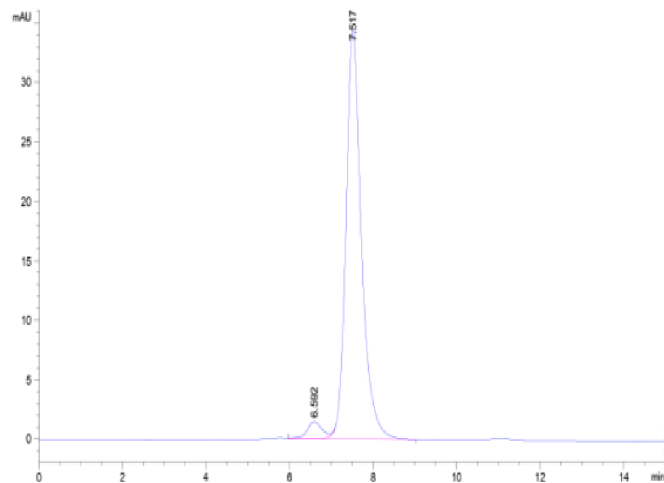
### SEC-HPLC

# Biotinylated Mouse PD-1/PDCD1 Protein (Primary Amine Labeling)

Cat. No. PD1-MM201B

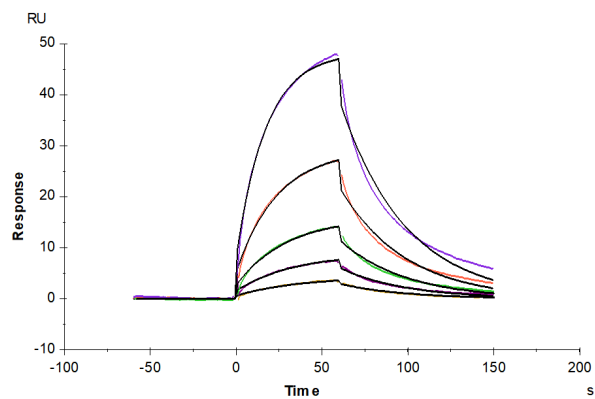


## Assay Data



The purity of Biotinylated Mouse PD-1 is greater than 95% as determined by SEC-HPLC.

## SPR Data



Mouse PD-L1, His Tag captured on CM5 Chip via anti-his antibody can bind Biotinylated Mouse PD-1, hFc Tag with an affinity constant of 3.35  $\mu$ M as determined in SPR assay (Biacore T200).