PD-1 Protein, Human (CHO, Fc)

Cat. No.:	HY-P7395
Synonyms:	rHuPD-1, Fc Chimera; PD1; CD279; PDCD1
Species:	Human
Source:	CHO
Accession:	Q15116 (L25-Q167)
Gene ID:	5133
Molecular Weight:	60-65 kDa

PROPERTIES

AA Sequence	L D S P D R P W N P P T F S P A L L V V T E G D N A T F T C S F S N T S E S F V L N W Y R M S P S N Q T D K L A A F P E D R S Q P G Q D C R F R V T Q L P N G R D F H M S V V R A R R N D S G T Y L C G A I S L A P K A Q I K E S L R A E L R V T E R R A E V P T A H P S P S P R P A G Q F Q
Biological Activity	1 μg/mL (100 μL/well) of immoblized recombinant human PD-L1/B7-H1-Fc can bind human Biotin-PD-1-Fc with a linear range of 0.1-1 μg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS.
Endotoxin Level	<0.2 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O or PBS.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Programmed death-1 (PD-1) is a receptor on T cells that has been shown to suppress activating signals from the T cell receptor when bound by either of its ligands, programmed death-ligand 1 (PD-L1) or PD-L2. When PD-1 expressing T cells contact cells expressing its ligands, functional activities in response to antigenic stimuli, including proliferation, cytokine secretion, and cytotoxicity are reduced[1].

REFERENCES

[1]. Syn NL, et al. De-novo and acquired resistance to immune checkpoint targeting. Lancet Oncol. 2017 Dec;18(12):e731-e741.

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