

Recombinant human PD-1 protein, C-hFc (HEK293)

Catalog Number: bs-47174P

Concentration: >0.5 mg/ml

AA Seq: 25-167/288

Predicted MW: 42.6

Detected MW: Due to glycosylation, the protein migrates to 65-72 kDa based on Tris-Bis PAGE result.

Tags: C-hFc

Activity: Not tested

Endotoxin: <1.0 EU/μg as determined by LAL

Purity: >95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC

Purification: AC

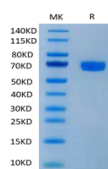
Form: Lyophilized

Storage: Lyophilized from 0.22μm filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

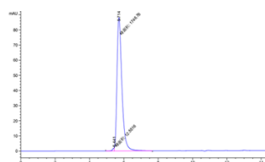
Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: Programmed cell death protein 1 (PDCD1) is an immune-inhibitory receptor expressed in activated T cells; it is involved in the regulation of T-cell functions, including those of effector CD8+ T cells. In addition, this protein can also promote the differentiation of CD4+ T cells into T regulatory cells. PDCD1 is expressed in many types of tumors including melanomas, and has demonstrated to play a role in anti-tumor immunity. Moreover, this protein has been shown to be involved in safeguarding against autoimmunity, however, it can also contribute to the inhibition of effective anti-tumor and anti-microbial immunity. [provided by RefSeq, Aug 2020]

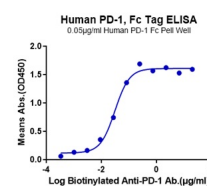
VALIDATION IMAGES



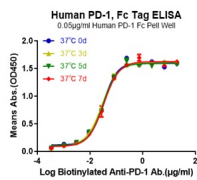
Recombinant PD-1 on Tris-Bis PAGE under reduced. The purity is greater than 95%.



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



Immobilized Human PD1 at 0.5μg/ml (100μl/Well). Dose response curve for Biotinylated Anti-PD1 Ab, with the EC50 of 31.2ng/ml determined by ELISA.



Immobilized Human PD-1 at 0.5µg/ml(100µl/Well). Dose response curve for Biotinylated Anti-PD-1 Ab. with the EC50 of 31.2/30.0/30.7/33.4ng/ml determined by ELISA.