

Recombinant Human PDCD1 Protein, PRO21-GLN167, ECD, Tag Free, Biotinylated

Cat. No. PDCD1-204H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PD-1 (PDCD1) protein was developed from HEK293.
Species	Human
Source	HEK293
ProteinLength	PRO21-GLN167, ECD
Description	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.
Conjugation/Label	Biotin
Form	Lyophilised
Endotoxin	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).
Notes	FOR RESEARCH USE ONLY (RUO).

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Storage	Recombinant PD-1 can be stored in working aliquots at 2 to 8 centigrade for one month, or at -20 to -70 centigrade for 1 year. It is recommended to add 0.1% HSA or BSA for long term storage. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilised from 0.2 µm filtered PBS solution, pH 7.2, 5% Trehalose.
Reconstitution	Upon receipt a quick spin of the vial followed by reconstitution in sterile PBS pH 7.4 to a concentration not less than 0.2 mg/mL. Solubilize for 1hr at room temp with gentle mixing.
Conjugation	Biotin

GENE INFORMATION

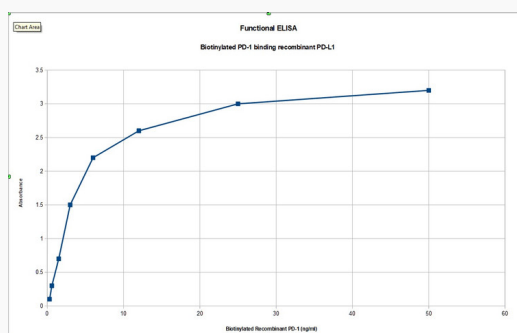
Gene Name	PDCD1 programmed cell death 1 [Homo sapiens (human)]
Official Symbol	PDCD1
Synonyms	PDCD1; programmed cell death 1; programmed cell death protein 1; CD279; PD1; protein PD-1; PD-1; SLEB2; hPD-1; hPD-I;
Gene ID	5133
mRNA Refseq	NM_005018
Protein Refseq	NP_005009
MIM	600244
UniProt ID	Q15116

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96-well maxisorp plates were coated at 1 µg/well recombinant Human PD-L1. Then, the protein standard was added, and plates were incubated for 2 hrs at 37 centigrade. Absorbance was measured at 450-615 nm using an automated plate reader.



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