

Recombinant Human PDCD1 Protein

Catalog #	Source	Reactivity	Applications
CRP2067	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human PDCD1 Protein is produced by our Mammalian expression system and the target gene encoding Leu25-Gln167 is expressed with a mFc tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.		
Gene Symbol	PDCD1		
Alternative Names	PD1; Programmed cell death protein 1; Protein PD-1; hPD-1; CD279		
Entrez Gene	5133 (Human)		
SwissProt	Q15116 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>LDSPDRPWNP PTFSPALLVV TEGDNATFTC SFSNTSESV LNWYRMSPSN QTDKLAAPFE DRSQPGQDCR FRVTQLPNGR DFHMSVVRAR RNDSGTYLCG AISLAPKAQI KESLRAELRV TERRAEVPTA HPSPSPRPAG QFQPRDCGCK PCICTVPEVS SVFIFPPKPK DVLITLTPK VTCVVVDISK DDPEVQFSWF VDDVEVHTAQ TQPREEQFNS TFRSVSELPI MHQDWLNGKE FKCRVNSAAF PAPIEKTISK TKGRPKAPQV YTIPPPKEQM AKDKVSLTCM ITDFFPEDIT VEWQWNGQPA ENYKNTQPIM DTDGSYFVYS KLNQVQSNWE AGNTFTCSVL HEGLHNNHTE KSLSHSPGK</p>		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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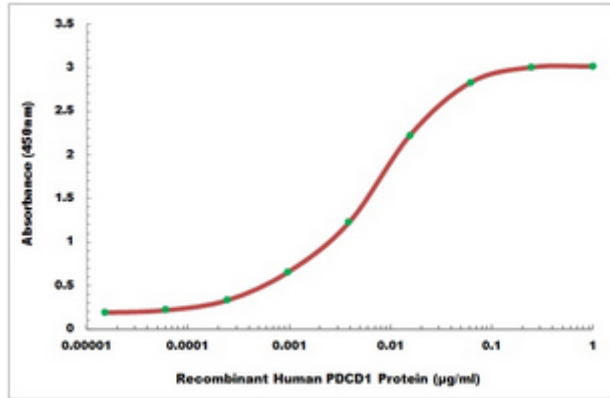
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Product Data Sheet

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

Bioactivity



Immobilized Anti-PDCD1 antibody at 2 µg/ml (100 µl/well) can bind Recombinant Human PDCD1 Protein. The ED50 of Recombinant Human PDCD1 Protein is 0.012 µg/ml.

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