

Recombinant Rabbit PD CD1 Protein

Cat. No. PD CD1-701R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rabbit PD CD1 protein without tag was expressed in HEK293.
Species	Rabbit
Source	HEK293
Protein Length	289
Description	Programmed cell death protein 1 (PD CD1) 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. PD CD1 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.
Form	Lyophilized
Molecular Mass	22.95 kDa
AA Sequence	MRVPWAPWSLLWAMLQLSWWPGWLLDAQDRPWSPLTFSPAQATVPEGANVTFT CSFSNISEHFVLNHWYRLSPSNQRDKLAAPEDRSRQPQDSRFRITRLPDGSSFHMS GIGVRRNDSGIYLCGAISLYPLMQIKESPQVELTVTERLLEPSTAQPSPSPRPPGQLQ GLLIGVPSVLVGVL LLLLLLAWVLVAMCPRTTQEAEGPKSQDQPLEKPLALPGSTMDY

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	GELDFQWREKTPEPPATSVPEQTEYATIVFPDGLGTSSPGRRGSTDCLRGPRLRS EDGHCSWPL
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	LOC100343779 programmed cell death 1 [<i>Oryctolagus cuniculus</i> (rabbit)]
Official Symbol	PDCD1
Synonyms	LOC100343779; programmed cell death 1; PDCD1; programmed cell death protein 1
Gene ID	100343779

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mRNA Refseq	XM_051829402
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Protein Refseq	XP_051685362
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