

## Recombinant Canine Programmed Cell Death 1 (PDCD1), C-Fc

Cat. No.: AP2C44

Product Type: Animal Proteins

Size: 100 µg

### Product Overview

BioVenic's Recombinant Canine Programmed Cell Death 1 (PDCD1), C-Fc is a recombinant protein expressed from HEK293 Cell. Its predicted molecular weight is 43.0 kDa. The purity is >95% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Canine
Expression System	HEK293 Cell
Purity	>95% (SDS-PAGE)
Predicted Molecular Weight	43.0 kDa
Physical State	Lyophilized
Formulation	pH 7.4. 5 % trehalose and mannitol are added as protectants.

### Target Information

Canine Programmed Cell Death 1 (PDCD1) is an immune-inhibitory receptor expressed on activated T cells, B cells, and macrophages. It regulates T-cell functions, including proliferation and cytokine production, by binding to ligands PD-L1 and PD-L2. PDCD1 plays a crucial role in maintaining immune tolerance and preventing autoimmune diseases. However, it can also be exploited by tumors to evade immune surveillance. In dogs, PDCD1 is involved in diseases like leishmaniasis, regulating IL-17 and leishmanicidal activity.

Protein	Canine Programmed Cell Death 1 (PDCD1)
Protein Synonym	PD-1; PDCD1; LY101; SLEB2; PDC1; HPD-L; PD1; HPD-1; CD279
Gene ID	<a href="#">486213</a>
UniProt ID	<a href="#">A0A8C0LM85</a>

### Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

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## **User Note**

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.