

# Active Recombinant Canine PDCD1 Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** PDCD1-1057CAF647    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 647 conjugated recombinant canine PDCD1 (XP_543338.3) (Met1-Leu169) was expressed with the Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Dog
<b>Source</b>	HEK293
<b>ProteinLength</b>	383
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized canine PDCD1-Fc at 10 µg/mL (100 µL/well) can bind biotinylated canine PDCD1-Fc, The EC50 of biotinylated canine PDCD1-Fc is 0.16-0.4 µg/mL.
<b>Molecular Mass</b>	43 kDa
<b>N-terminal Sequence Analysis</b>	Leu 25
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Purity</b>	> (20.2+76.0) % as determined by SDS-PAGE

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<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 647

## GENE INFORMATION

<b>Gene Name</b>	PDCD1 programmed cell death 1 [ <i>Canis lupus familiaris</i> ]
<b>Official Symbol</b>	PDCD1
<b>Synonyms</b>	PD-1; programmed death 1
<b>Gene ID</b>	486213
<b>mRNA Refseq</b>	NM_001314097
<b>Protein Refseq</b>	NP_001301026

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