

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

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

SPECIFICATION

Product Overview	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.
Species	Dog
Source	HEK293
ProteinLength	383
Form	Lyophilized
Bio-activity	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.
Molecular Mass	43 kDa
N-terminal Sequence Analysis	Leu 25
Endotoxin	< 1.0 EU/ µg of the protein as determined by the LAL method.
Purity	> (20.2+76.0) % as determined by SDS-PAGE

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Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	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.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
Reconstitution	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.
Conjugation	Alexa Fluor 647

GENE INFORMATION

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

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