

# Recombinant Canine CTLA4 Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** CTLA4-1060CAF647    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 647 conjugated recombinant canine CD152 (NP_001003106.1) (Met1-Asp161) was expressed with the Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Dog
<b>Source</b>	HEK293
<b>ProteinLength</b>	364
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	40.1 kDa
<b>N-terminal Sequence Analysis</b>	Lys 36
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm

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<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>	CTLA4 cytotoxic T-lymphocyte-associated protein 4 [ <i>Canis lupus familiaris</i> ]
<b>Official Symbol</b>	CTLA4
<b>Synonyms</b>	CD152; CTLA-4; costimulatory molecule B7 receptor CD152; cytotoxic T-lymphocyte-associated antigen 4
<b>Gene ID</b>	403696
<b>mRNA Refseq</b>	NM_001003106
<b>Protein Refseq</b>	NP_001003106

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