

# Recombinant Canine CD40LG Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** CD40LG-167CAF647    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding the canine CD40LG (O97626) (Met112-Leu260) (Alexa Fluor 647 conjugated) was expressed with the Fc region of mouse IgG1 at the N-terminus.
<b>Species</b>	Dog
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met112-Leu260, 385
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	The recombinant canine CD40LG is a disulfide-linked homodimer. The reduced monomer comprises 385 amino acids and has a predicted molecular mass of 42.5 kDa. The apparent molecular mass of the protein is approximately 47 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Purity</b>	> 85 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm

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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 -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Lyophilized from sterile PBS, pH7.4.

**Conjugation** Alexa Fluor 647

## GENE INFORMATION

**Gene Name** CD40LG CD40 ligand [ *Canis lupus familiaris* ]

**Official Symbol** CD40LG

**Synonyms** CD40LG; CD40 ligand; CD40-L; tumor necrosis factor ligand superfamily member 5; tumor necrosis factor (ligand) superfamily, member 5; CD40 ligand (TNF superfamily, member 5, hyper-IgM syndrome); CD154; TNFSF5;

**Gene ID** 403468

**mRNA Refseq** NM\_001002981

**Protein Refseq** NP\_001002981

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