Recombinant Canine CD40LG Protein, Fc-tagged, Alexa Fluor 555 conjugated

Cat. No. CD40LG-167CAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the canine CD40LG (O97626) (Met112-Leu260) (Alexa Fluor 555 conjugated) was expressed with the Fc region of mouse IgG1 at the N-terminus.
Species	Dog
Source	HEK293
ProteinLength	Met112-Leu260, 385
Form	Lyophilized
Molecular Mass	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.
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be

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	efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.
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 555

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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