Recombinant Canine CD40LG, Fc-tagged

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

SPECIFICATION

Product Overview	A DNA sequence encoding the canine CD40LG (O97626) (Met112-Leu260) was expressed with the Fc region of mouse IgG1 at the N-terminus.
Species	Canine
Source	Human Cells
ProteinLength	Met112-Leu260
Form	Lyophilized from sterile PBS, pH7.4.
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 per μg of the protein as determined by the LAL method.
Purity	>85 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Storage	Store it under sterile conditions at -70℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

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
Pathway	Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem;

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