# Recombinant Canine CD40 Protein, LEVLFQ-tagged, Alexa Fluor 488 conjugated

**Cat. No.** CD40-153CAF488 **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Alexa Fluor 488 conjugated recombinant Canine CD40 (Q7YRL5) (Met1-Ala194), fused with six amino acids (LEVLFQ) at the C-terminus, was produced in Human Cells. |
| **Species** | Dog |
| **Source** | HEK293 |
| **ProteinLength** | 181 |
| **Form** | Lyophilized |
| **Molecular Mass** | The recombinant canine CD40 is a disulfide-linked homodimer. The reduced monomer comprises 181 amino acids and has a predicted molecular mass of 19.9 kDa. The apparent molecular mass of the protein is approximately 28-32 kDa in SDS-PAGE under reducing conditions. |
| **N-terminal Sequence Analysis** | Glu 21 |
| **Endotoxin** | < 1.0 EU/ μg of the protein as determined by the LAL method. |
| **Purity** | > 95 % as determined by SDS-PAGE |

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| **Characteristic** | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 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. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization. |
| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| **Conjugation** | Alexa Fluor 488 |

## GENE INFORMATION

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| **Gene Name** | CD40 centigrade D40 molecule, TNF receptor superfamily member 5 [ centigrade anis lupus familiaris(dog) ] |
| **Official Symbol** | CD40 |
| **Gene ID** | 403469 |
| **mRNA Refseq** | NM_001002982 |
| **Protein Refseq** | NP_001002982 |

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| **UniProt ID** | Q7YRL5 |

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