

Recombinant Canine CD40 Protein, His-tagged, Alexa Fluor 647 conjugated

Cat. No. CD40-165CAF647 Lot. No. (See product label)

SPECIFICATION

Product Overview A DNA sequence encoding the canine CD40 (Q7YRL5) (Met1-Ala194) (Alexa Fluor 647 conjugated) was expressed with a C-terminal polyhistidine tag.

Species Dog

Source HEK293

ProteinLength Met1-Ala194, 185

Form Lyophilized

Molecular Mass The recombinant canine CD40 comprises 185 amino acids and has a predicted molecular mass of 20.5 kDa. The apparent molecular mass of the protein is approximately 33 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Endotoxin < 1.0 EU/ µg of the protein as determined by the LAL method.

Purity > 95 % as determined by SDS-PAGE

Characteristic
Disulfide-linked homodimer
Labeled with Alexa Fluor 647 via amines
Excitation = 650 nm
Emission = 668 nm

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|-----------------------|--|
| 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

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|------------------------|--|
| Gene Name | CD40 CD40 molecule, TNF receptor superfamily member 5 [<i>Canis lupus familiaris</i>] |
| Official Symbol | CD40 |
| Synonyms | CD40; CD40 molecule, TNF receptor superfamily member 5; tumor necrosis factor receptor superfamily member 5; CD40L receptor; B-cell surface antigen CD40; CD40 antigen (TNF receptor superfamily member 5); tumor necrosis factor receptor superfamily, member 5; TNFRSF5; |
| Gene ID | 403469 |
| mRNA Refseq | NM_001002982 |
| Protein Refseq | NP_001002982 |

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