Recombinant Canine CD40 Protein, His-tagged, Alexa Fluor 488 conjugated

Cat. No. CD40-165CAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the canine CD40 (Q7YRL5) (Met1-Ala194) (Alexa Fluor 488 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 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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 488

GENE INFORMATION

Gene Name	CD40 CD40 molecule, TNF receptor superfamily member 5 [Canis lupus familiaris]
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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