

Recombinant Canine CD40 Protein, LEVLFQ-tagged, FITC conjugated

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

SPECIFICATION

Product Overview	FITC 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
Characteristic	Disulfide-linked homodimer

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	Labeled with FITC via amines Excitation source: 488 nm spectral line, argon-ion laser Excitation Wavelength: 488 nm Emission Wavelength: 535 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	FITC

GENE INFORMATION

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

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