

# Recombinant Canine CTLA4 Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** CTLA4-1060CAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                      |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 647 conjugated recombinant canine CD152 (NP_001003106.1) (Met1-Asp161) was expressed with the Fc region of human IgG1 at the C-terminus. |
| <b>Species</b>                      | Dog                                                                                                                                                  |
| <b>Source</b>                       | HEK293                                                                                                                                               |
| <b>ProteinLength</b>                | 364                                                                                                                                                  |
| <b>Form</b>                         | Lyophilized                                                                                                                                          |
| <b>Molecular Mass</b>               | 40.1 kDa                                                                                                                                             |
| <b>N-terminal Sequence Analysis</b> | Lys 36                                                                                                                                               |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                         |
| <b>Purity</b>                       | > 90 % as determined by SDS-PAGE                                                                                                                     |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>Emission = 668 nm                                    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                                          |
| <b>Storage</b>        | 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.                      |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.                                                                                                                     |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | Alexa Fluor 647                                                                                                                                                                         |

## GENE INFORMATION

|                        |                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CTLA4 cytotoxic T-lymphocyte-associated protein 4 [ Canis lupus familiaris ]                         |
| <b>Official Symbol</b> | CTLA4                                                                                                |
| <b>Synonyms</b>        | CD152; CTLA-4; costimulatory molecule B7 receptor CD152; cytotoxic T-lymphocyte-associated antigen 4 |
| <b>Gene ID</b>         | 403696                                                                                               |
| <b>mRNA Refseq</b>     | NM_001003106                                                                                         |
| <b>Protein Refseq</b>  | NP_001003106                                                                                         |

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