

# Active Recombinant Monkey CTLA4 Protein, Fc-tagged, Alexa Fluor 488 conjugated

**Cat. No.** CTLA4-8852CAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                                                                                                      |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 488 conjugated recombinant Monkey CTLA4(Met1-Asp161) fused with Fc region of human IgG1 at C-terminal was expressed in HEK293.                                                                                                                           |
| <b>Species</b>                      | Monkey                                                                                                                                                                                                                                                               |
| <b>Source</b>                       | HEK293                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>                | Met1-Asp161 366                                                                                                                                                                                                                                                      |
| <b>Description</b>                  | CTLA4 played an important role in many functions.                                                                                                                                                                                                                    |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                                                          |
| <b>Bio-activity</b>                 | Measured by its binding ability in a functional ELISA. Immobilized human B7-1-His at 10 µg/mL (100 µL/well) can bind Cynomolgus CTLA4-Fc, The EC50 of Cynomolgus CTLA4-Fc is 6.0-14.5 ng/mL.                                                                         |
| <b>Molecular Mass</b>               | The recombinant cynomolgus/rhesus CTLA4 is a disulfide-linked homodimer. The reduced monomer comprises 366 amino acids and has a calculated molecular mass of 40.4 kDa. The apparent molecular mass of the protein is approximately 52 kDa respectively in SDS-PAGE. |
| <b>N-terminal Sequence Analysis</b> | Ala 37                                                                                                                                                                                                                                                               |

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|                       |                                                                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                   |
| <b>Purity</b>         | > 95 % as determined by SDS-PAGE                                                                                                                                               |
| <b>Characteristic</b> | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                      |
| <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 -80 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. Normally 5%-8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.                                    |
| <b>Shipping</b>       | Shipped at ambient temperature.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |
| <b>Conjugation</b>    | Alexa Fluor 488                                                                                                                                                                |

## GENE INFORMATION

|                        |                                                                                  |
|------------------------|----------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CTLA4 cytotoxic T-lymphocyte associated protein 4 [ <i>Macaca fascicularis</i> ] |
| <b>Official Symbol</b> | CTLA4                                                                            |
| <b>Synonyms</b>        | CTLA4; cytotoxic T-lymphocyte associated protein 4                               |

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**Gene ID**

102115124

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