

# Active Recombinant Monkey CTLA4 Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** CTLA4-8852CAF555    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 555 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 Labeled with Alexa Fluor 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.
<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. 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 555

## 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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