

## Mouse CTLA4 protein, mutant mouse IgG2a Fc tag (active)

## Cat. No. GTX65784-pro

Applications	Functional Assay	Package
Species	Mouse	100 µg

## PRODUCT

Summary	Non-lytic: Acts as a long lasting fusion protein which only binds to the receptor. Mutations to the complement (C1q) and Fc <sub>g</sub> R I binding sites of the IgGs Fc fragment render the fusion proteins incapable of antibody directed cytotoxicity (ADCC) and complement directed cytotoxicity (CDC).
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## Applications

## Application Note

Blocks the binding of mouse CD80 (B7-1) and CD86 (B7-2) to their receptors (by binding CD80 and CD86 with high affinity) and thereby prevents their T cell regulatory actions by inhibiting the CD28 signaling competitively. Shows the biological functions of the CD152 moiety and exerts a prolonged circulating half-life caused by the modified Fc domain. Useful for investigating the T cell co-stimulation.

## Properties

Form	Lyophilized powder
Buffer	Reconstitute with 0.2µm-filtered PBS to 100 µg/ml. Lyophilized from 0.2µm-filtered PBS.
Preservative	No preservatives
Storage	Store at -20°C or below. After reconstitution, keep as concentrated solution. Aliquot and avoid freeze-thaw cycles.
Region/Sequence	The extracellular domain of mouse CD152 [CTLA-4] (a.a. 1-160) is fused to the N-terminus of the Fc region of a mutant mouse IgG2a.
Expression System	NS-1 cells
Purity	≥98% by SDS-PAGE.
Endotoxin	< 0.06 EU/µg
Conjugation	Unconjugated
Note	For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.



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