

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

Cat. No. GTX65784-pro

Applications Functional Assay**Species** Mouse**Package**

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 FcγR I binding sites of the IgGs Fc fragment render the fusion proteins incapable of antibody directed cytotoxicity (ADCC) and complement directed cytotoxicity (CDC).

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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