

Active Recombinant Mouse Ctla4, MIgG2a Fc-tagged, mutant

Cat. No. Ctla4-333M Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse CD152 [CTLA-4] (NP_033973.2)(Met1-Ser160) is fused to the N-terminus of the Fc region of a mutant mouse IgG2a was expressed in CHO cell.
Species	Mouse
Source	NS1
ProteinLength	1-160 a.a.
Description	This gene is a member of the immunoglobulin superfamily, and encodes a protein that functions as a negative regulator of T-cell responses. Alternatively spliced transcript variants encoding different isoforms have been described for this gene
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	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
Molecular Mass	44 KDa
AA Sequence	Met1-Ser160

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Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">
Purity	≥98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	Ctla4 cytotoxic T-lymphocyte-associated protein 4 [Mus musculus]
Official Symbol	Ctla4
Synonyms	CTLA4; cytotoxic T-lymphocyte-associated protein 4; cytotoxic T-lymphocyte protein 4; CD152 antigen; cytotoxic T-lymphocyte-associated antigen 4; Cd152; Ly-56; Ctla-4;
Gene ID	12477
mRNA Refseq	NM_009843
Protein Refseq	NP_033973
Pathway	Adaptive Immune System, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; CTLA4 inhibitory signaling, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved

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biosystem; Costimulation by the CD28 family, organism-specific biosystem;

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