

Active Recombinant Mouse Ctla4, MlgG2a Fc-tagged

Cat. No. Ctla4-4556M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse CD152[CTLA-4](NP_033973.2) (Ile38-Ser160) is fused to the N-terminus of the Fc portion of mouse IgG2a, was expressed in NS1 cell.
Species	Mouse
Source	NS1
ProteinLength	38-160 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	Binds both CD80 (B7-1) and CD86 (B7-2) with high affinity and inhibits CD28 signaling competitively. Kills the target cell completely.
Molecular Mass	44 KDa
AA Sequence	Ile38-Ser160
Endotoxin	<0.06 EU/µg as determined by LAL test.
Purity	≥98%, by SDS-PAGE under reducing conditions.

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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 [<i>Mus musculus</i>]
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 biosystem; Costimulation by the CD28 family, organism-specific biosystem;