

Active Recombinant Mouse Ctla4 Protein, hIgG/His-tagged

Cat. No. Ctla4-06M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Ctla-4 (38-161aa), fused to hIgG-His-tag at C terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
ProteinLength	38-161 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	Liquid
Bio-activity	The activity is determined by the IL-2 ELISA in a using stimulated Jurkat human acute T cell leukemia cells with Human B7-1/CD80. The ED50 range ≤ 150 ng/mL.
Molecular Mass	40.6 kDa (363aa)
AA Sequence	IQVTQPSVVLASSHGVASFPCEYSPSHNTDEV RVTVLRQTNDQMTEVCATTFTEKN TVGFLDYPFCSGTFNESRVNLTIQGLRAVD TGLYLCKVELMYPPPYFVGMGNGTQIY VIDPEPCPDSD

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Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by Absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

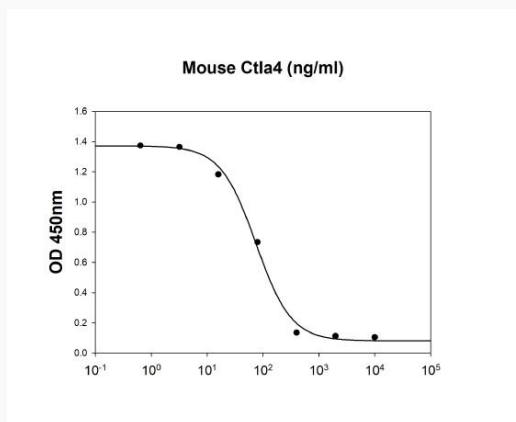
Gene Name	Ctla4 cytotoxic T-lymphocyte-associated protein 4 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Ctla4
Synonyms	Ctla4; cytotoxic T-lymphocyte-associated protein 4; Cd152; Ly-56; Ctla-4; cytotoxic T-lymphocyte protein 4; CD152 antigen; cytotoxic T-lymphocyte-associated antigen 4
Gene ID	12477
mRNA Refseq	NM_009843
Protein Refseq	NP_033973
UniProt ID	P09793

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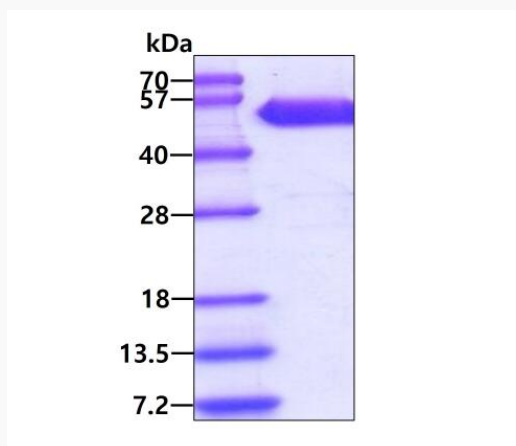
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Biological Activity



Mouse Ctla4 inhibits IL-2 secretion of the stimulated Jurkat human acute T cell leukemia cells with Human B7-1/CD80. The ED50 range ≤ 150 ng/ml.

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain