

Recombinant Human CTLA4 protein, C-Fc-Avi Tag, Biotinylated

Product Information

Cat	IMP-568
Official Symbol	CTLA4
Product Overview	<i>Biotinylated Recombinant Human CTLA4(NP_001032720.1)(Lys36-Asp161) is expressed in HEK293, fused with a Fc, Avi tag at the C-terminus.</i>
Description	<i>Cytotoxic T-lymphocyte protein 4, is a single-pass type I membrane protein. It is widely expressed with highest levels in lymphoid tissues. CD28 and CTLA-4, together with their ligands, B7-1 and B7-2, constitute one of the dominant costimulatory pathways that regulate T and B cell responses. CD28 and CTLA-4 are structurally homologous molecules that are members of the immunoglobulin (Ig) gene superfamily. CTLA4 transmits an inhibitory signal to T cells, whereas CD28 transmits a stimulatory signal. Intracellular CTLA4 is also found in regulatory T Cells and may play an important role in their functions. Tcell activation through the Tcell receptor and CD28 leads to increased expression of CTLA4.</i>
Expression System	HEK293
Species	Human
Tag	C-Fc-Avi Tag
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Molecular Mass	57-60 kDa, reducing conditions.
Protein length	Lys36-Asp161
Endotoxin	Less than 0.1 ng/ug (1 EU/ug) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	<i>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C for 2-7 days.Aliquots of reconstituted samples are stable at < -20°C for 3 months.</i>
Reconstitution	<i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</i>

SDS-PAGE

