

Recombinant Human CTLA4/CD152 (Fc)

Catalog No: CI31

Description	Recombinant Human Cytotoxic T-lymphocyte protein 4/CTLA4/CD152 is produced with our Mammalian expression system. The target protein is expressed with sequence (Lys36---Asp161) of Human CTLA4/CD152 fused with a Fc tag at the C-terminus.
Expression System	Human cells
Alternative name	Cytotoxic T-lymphocyte protein 4, Cytotoxic T-lymphocyte-associated antigen 4, CTLA4, CD152
Accession No.	P16410

Quality Control Purity: greater than 95% as determined by reducing SDS-PAGE.
Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.

Formulation Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Reconstitution 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.

Shipping The product is shipped at ambient temperature.
Upon receipt, store it immediately at the temperature listed below.

Storage 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.
Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Background 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. T cell activation through the T cell receptor and CD28 leads to increased expression of CTLA4.

SDS-PAGE

