



Recombinant Protein Technical Manual

Recombinant Human CTLA4 Protein (Fc & Avi Tag)(Active)
RPES0149

Product Data:

Product SKU: RPES0149

Size: 20µg

Species: Human

Expression host: Human Cells

Uniprot: P16410

Protein Information:

Molecular Mass: 41.5 kDa

AP Molecular Mass: 57-60 kDa

Tag: C-Fc-Avi

Bio-activity: Immobilized Human CTLA-4-Fc-Avi at 2µg/ml(100 µl/well) can bind Human B7-2-6His(Cat: PKSH033722). The ED50 of Human CTLA-4-Fc-Avi is 1.98 ug/mL

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: Cytotoxic T-lymphocyte protein 4;Cytotoxic T-lymphocyte-associated antigen 4;CTLA4;CD152;Cytotoxic T-Lymphocyte-Associated Protein 4

Immunogen Information:

Sequence: Lys36-Asp161

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 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.