



Recombinant Protein Technical Manual

Recombinant Cynomolgus CTLA-4/CD152 Protein (Fc Tag)

RPE3135

Product Data:

Product SKU: RPE3135

Size: 10µg

Species: Cynomolgus

Expression host: Human Cells

Uniprot: G7PL88

Protein Information:

Molecular Mass: 40.2 kDa

AP Molecular Mass: 45-60 kDa

Tag: C-Fc

Bio-activity:

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 50 mM Tris, 100 mM Glycine, pH 7.5.

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

Application:

Synonyms: Cytotoxic T-lymphocyte protein 4; Cytotoxic T-lymphocyte-associated antigen 4; CTLA-4; CD152; CTLA4

Immunogen Information:

Sequence: Ala37-Ser160

Background:

Cytotoxic T lymphocyte 4 (CTLA-4, CD152), is a type I transmembrane T cell inhibitory molecule that is a member of the Ig superfamily. 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. T cell activation through the T cell receptor and CD28 leads to increased expression of CTLA4.