

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

Catalog No. PKSQ050042

Note: Centrifuge before opening to ensure complete recovery of vial contents.

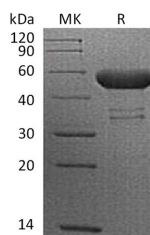
Description

Synonyms	Cytotoxic T-lymphocyte protein 4;Cytotoxic T-lymphocyte-associated antigen 4;CTLA-4;CD152;CTLA4
Species	Cynomolgus macaques
Expression Host	HEK293 Cells
Sequence	Ala37-Ser160
Accession	G7PL88
Calculated Molecular Weight	40.2 kDa
Observed molecular weight	45-60 kDa
Tag	C-Fc

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°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-HCl, 100 mM Glycine, pH 7.5. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Cytotoxic Tlymphocyte 4(CTLA-4,CD152), is a type I transmembrane T cell inhibitory molecule that is a member of the

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Ig superfamily. 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.

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