

CTLA-4 Protein, Cavia porcellus, Recombinant (His)

General Information

Synonyms:	Cytotoxic T-lymphocyte protein 4;CTLA4;Cytotoxic T-lymphocyte-associated antigen 4;CD152;CTLA-4
Protein Construction:	Ala37-Asp161
Species:	Cavia porcellus
Expression Host:	P. pastoris (Yeast)
Accession:	H0VUB1
Molecular Weight:	18-40 KDa (reducing condition)
AA Sequence:	Ala37-Asp161

QC Testing

Biological Activity:	Immobilized Mouse B7-1-Fc at 5 µg/ml (100 µl/well) can bind Cavia porcellus CTLA-4-His . The ED50 of Recombinant Cavia porcellus CTLA-4-His is 4.29 ng/ml. (Regularly tested)
Purity:	Greater than 90% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/µg (1 EU/µg) as determined by LAL test.
Formulation:	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Cytotoxic Tlymphocyte 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, B7-1 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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