

Recombinant *Cavia porcellus* CTLA-4/CD152 Protein (His Tag)

Catalog No. PKSQ050093

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

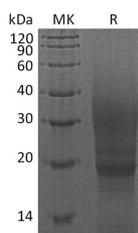
Description

Synonyms	Cytotoxic T-lymphocyte protein 4;Cytotoxic T-lymphocyte-associated antigen 4;CTLA-4;CD152;CTLA4
Species	<i>Cavia porcellus</i>
Expression Host	<i>P.Pichia</i>
Sequence	Ala37-Asp161
Accession	H0VUB1
Calculated Molecular Weight	16-35 kDa
Observed molecular weight	18-40 kDa
Tag	C-His
Bioactivity	Immobilized Mouse B7-1-Fc at 5 µg/ml (100 µl/well) can bind <i>Cavia porcellus</i> CTLA-4-His. The ED ₅₀ of Recombinant <i>Cavia porcellus</i> CTLA-4-His is 4.29 ng/ml.

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH7.4.
Reconstitution	Not Applicable

Data



> 90 % 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 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

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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.