

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

Catalog No. PKSQ050093

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
Mol_Mass	14.1 kDa
AP_Mol_Mass	18-40 kDa
Tag	C-His
Bio_activity	Immobilized Mouse B7-1-Fc(Cat: PKSM041366) at 1µg/ml(100 µl/well) can bind <i>Cavia porcellus</i> CTLA-4-His. The ED50 of <i>Cavia porcellus</i> CTLA-4-His is 0.17ug/ml .

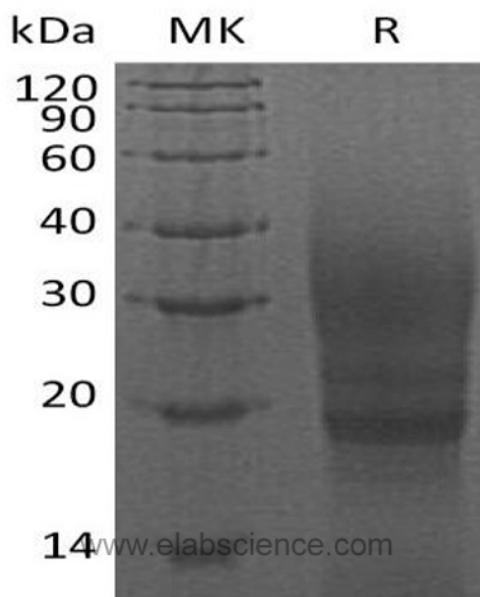
Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
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

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.

SDS-PAGE



Bioactivity

