

Datasheet for ABIN7320510
CTLA4 Protein (Fc Tag)



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1 Image

Overview

Quantity:	50 µg
Target:	CTLA4
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CTLA4 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse CTLA4 Protein (Fc Tag)(Active)
Sequence:	Ala37-Asp161
Characteristics:	Recombinant Mouse Cytotoxic T-lymphocyte protein 4 is produced by our Mammalian expression system and the target gene encoding Ala37-Asp161 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human B7-1-mFc(Cat: PKSH033784) at 10µg/ml(100 µl/well) can bind Mouse CTLA-4-Fc. The ED50 of Mouse CTLA-4-Fc is 0.02µg/mL.

Target Details

Target:	CTLA4
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Target Details

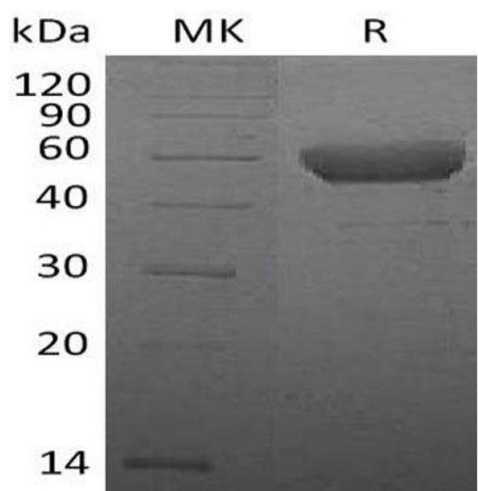
Alternative Name:	CTLA4 (CTLA4 Products)
Background:	<p>Background: Mouse Cytotoxic Tlymphocyte 4(CTLA-4,CD152), is a type I transmembrane T cell inhibitory molecule. Within the ECD, Mouse CTLA-4 shares 68 % aa sequence identity with human. CTLA4 is similar to the T cell costimulatory protein CD28 since both of the molecules bind to CD80 and CD86 on antigen-presenting cells. 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. Genetic variations of CTLA4 have been associated with susceptibility to systemic lupus erythematosus(SLE), Gravesdisease(GRD), Celiac disease type3(CELIAC3) and Hepatitis B virus infection(HBVinfection).</p> <p>Synonym: Cytotoxic T-lymphocyte protein 4, Cytotoxic T-lymphocyte-associated antigen 4, CTLA-4, CD152, Ctl44</p>
Molecular Weight:	40.4 kDa
UniProt:	P09793
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	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.



Western Blotting

Image 1.