

Datasheet for ABIN7320509

**CTLA4 Protein (His tag)****2** Images[Go to Product page](#)

## 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 His tag.

## Product Details

Purpose:	Recombinant Mouse CTLA4 Protein (His 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 6His 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 Mouse B7-1-Fc(Cat: PKSM041366) at 1µg/ml(100 µl/well) can bind Mouse CTLA-4-His. The ED50 of Mouse CTLA-4-His is 4 ng/ml .

## Target Details

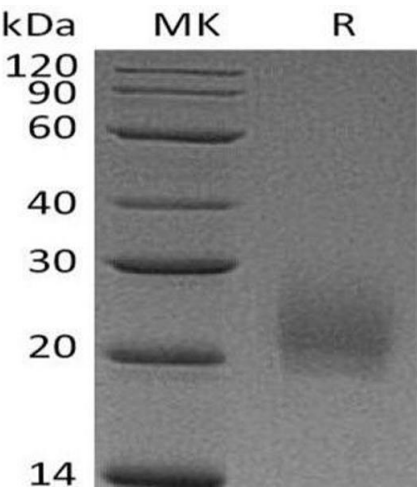
Target:	CTLA4
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## Target Details

Alternative Name:	CTLA4 ( <a href="#">CTLA4 Products</a> )
Background:	<p>Background: Mouse Cytotoxic Tlymphocyte 4(CTLA-4,CD152), is a type I transmembrane T cell inhibitory molecule. mouse CTLA4 cDNA encodes 223 amino acids (aa) including a 35 aa signal sequence, a 126 aa extracellular domain (ECD) with one Ig-like V-type domain, a 21 aa transmembrane (TM) sequence, and a 41 aa cytoplasmic sequence. 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, Ctl4</p>
Molecular Weight:	14.6 kDa
UniProt:	<a href="#">P09793</a>
Pathways:	<a href="#">Cancer Immune Checkpoints</a>

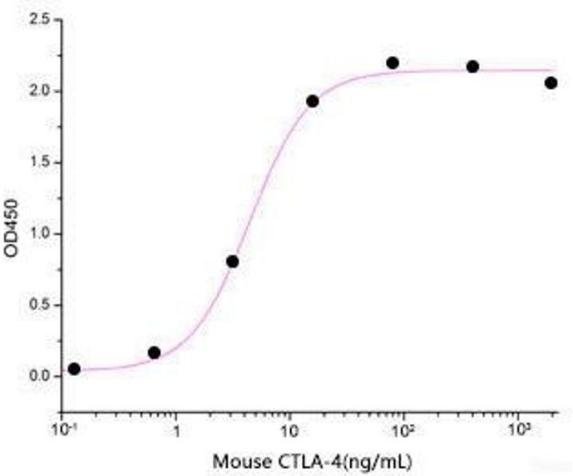
## Application Details

Restrictions:	For Research Use only
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:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>



Western Blotting

Image 1.



ELISA

Image 2.