

RP00755

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# Recombinant Mouse CTLA-4/CD152 Protein

Catalog No.: RP00755

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	12477	P09793

**Tags**  
C-Fc

**Synonyms**  
Cd152;Ctla-4;Ly-56;CTLA4

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

**Endotoxin**  
< 1 EU/μg of the protein by LAL method.

**Formulation**  
Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

**Reconstitution**  
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

Mouse Cytotoxic T lymphocyte 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), Graves disease (GRD), Celiac disease type 3 (CELIAC3) and Hepatitis B virus infection (HBV infection).

## Basic Information

**Description**  
Recombinant Mouse CTLA-4/CD152 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Ala37-Asp161) of mouse CTLA-4/CD152 (Accession #P09793) fused with an Fc tag at the C-terminus.

### Bio-Activity

**Storage**  
Store the lyophilized protein at -20 °C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

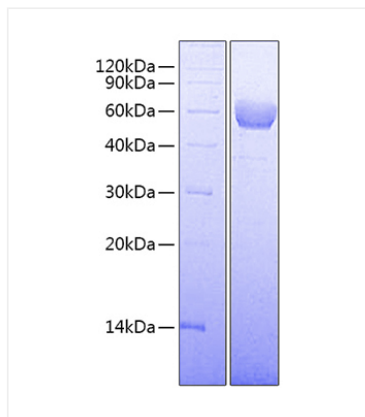
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Mouse CTLA-4/CD152 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.