

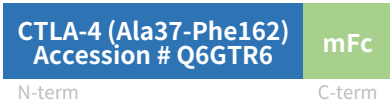
Rev07  
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**DATASHEET**

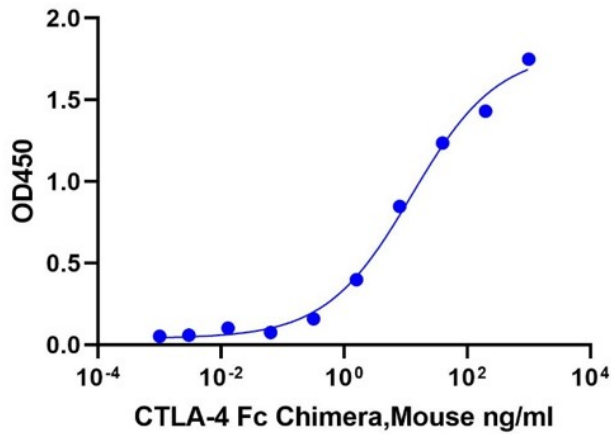
# CTLA-4 Fc Chimera, Mouse

Cat. No.: Z03391

## Product Introduction

<b>Species</b>	Mouse
<b>Protein Construction</b>	
<b>Purity</b>	> 90% as analyzed by SDS-PAGE
<b>Endotoxin Level</b>	< 1 EU/μg of protein by gel clotting method
<b>Biological Activity</b>	Immobilized Mouse B7-1/CD80 Protein, His Tag at 2.0 μg/ml can bind CTLA-4, mFc, Mouse with EC <sub>50</sub> =12.57 ng/ml when detected by M6 Goat Anti Mouse FC.
<b>Expression System</b>	CHO
<b>Apparent Molecular Weight</b>	~54.3 kDa, on SDS-PAGE under reducing conditions.
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution in PBS.
<b>Reconstitution</b>	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH <sub>2</sub> O or PBS up to 100 μg/ml.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for 6 months at lower than -70°C. Upon reconstitution, the product should be stable for 1 week at 4°C or for 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

## Examples



Mouse B7-1/CD80 Protein, His Tag at 2 µg/ml (100 µl/well) can bind CTLA-4 Fc Chimera, Mouse with EC50=12.57 ng/ml when detected by M6 Goat Anti Mouse FC. Background was subtracted from data points before curve fitting.

## Background

**Target Background :** CTLA-4 (Cytotoxic T-Lymphocyte Antigen 4) is also known as CD152, is an Inhibitory receptor acting as a major negative regulator of T-cell responses. CTLA-4 is a member of the immunoglobulin superfamily, which is expressed on the surface of T cells and transmits an inhibitory signal to T cells. CTLA-4 and CD28 are homologous receptors expressed by both CD4+ and CD8+ T cells, which mediate opposing functions in T-cell activation. Both receptors share a pair of ligands expressed on the surface of antigen-presenting cells (APCs). The affinity of CTLA-4 for its natural B7 family ligands, CD80 and CD86, is considerably stronger than the affinity of their cognate stimulatory co-receptor CD28.

**Synonyms :** CD152

**For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.**

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