



## CTLA-4 Fc Chimera, Mouse

Catalog: BK0402

Source: CHO

Quantity: 50µg

### 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.

### Molecular Weight:

~54.3 kDa, on SDS-PAGE under reducing conditions.

### Purity:

> 90% as analyzed by SDS-PAGE

### Swiss-Prot:

Q6GTR6

### Reconstitution:

It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Re-

constitute the lyophilized powder in ddH<sub>2</sub> O or PBS up to 100 µg/ml.

### Formulation:

Lyophilized from a 0.2 µm filtered solution in PBS.

### Storage&Stability:

Upon receiving, this product remains stable for up to 6 months at lower than -70 °C. Upon reconstitution, the product should be stable for up to 1 week at 4 °C or up to 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.

### Endotoxin:

< 1 EU/µg of protein by gel clotting method

### DATA:

### Note:

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

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