

**CTLA-4 Fc Chimera, Human**

Catalog: BK0401

Source: CHO

Quantity: 50µg

Background:

Cytotoxic T lymphocyte-associated molecule-4 (CTLA-4) is a cell surface molecule that is closely related to CD28, and a powerful negative regulator of T cell activation. Structurally, CTLA-4 is a member of the Ig superfamily, having a single extracellular V-like domain, homology with CD28; The overall sequence homology between CD28 and CTLA-4 is about 20%, but they share a 27% (murine) to 31% (human) identity at the amino acid level. Inhibitory receptor acting as a major negative regulator of T-cell responses. The affinity of CTLA-4 for its natural B7 family ligands, CD80 and CD86, is considerably stronger than the affinity of their cognate stimulatory coreceptor CD28.

Molecular Weight:

45~48 kDa, on SDS-PAGE under reducing conditions.

Purity:

> 98% as analyzed by SDS-PAGE

Swiss-Prot:

P16410

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 ddH₂O 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:

< 0.2 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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