

CTLA4

Recombinant Human CTLA-4/Fc Chimera

Catalog No.	CRC012A	Quantity:	5 µg
	CRC012B		25 µg
	CRC012C		1 mg

Alternate Names: CTLA4, CELIAC3, CTLA-4, CD152, GSE

Description: Recombinant human CTLA-4/CD152 is a homodimeric, glycosylated polypeptide chain. Each subunit (40 kDa) is fused to a polypeptide linker to the Fc portion of human IgG1. CTLA-4 is expressed in low copy number by T-cells only after activation, but it binds CD28-ligand with approximately 20-fold higher affinity than CD28. A soluble form of the extracellular domain of CTLA-4 has been shown to bind CD28-ligand with high avidity and to suppress T-cell-dependent antibody responses *in vivo*. Large doses of this soluble protein also suppress responses to a second immunization.

GeneID: 1493

Source: Sf9 cells

Molecular Weight: 80.0 kDa

Formulation: Lyophilized from a sterile filtered solution without additives

Purity: > 95% as determined by RP-HPLC and SDS-PAGE analyses

Endotoxin Level: < 0.1 ng/µg of CTLA4

Amino Acid Sequence: The sequence of the first five N-terminal amino acids is Lys-Ala-Met-His-Val.

Reconstitution: **Centrifuge vial prior to opening.** First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.

Storage & Stability: Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week in working aliquots. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. **Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.**

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