

ANTIGENIX AMERICA, INC.

PRODUCT INFORMATION SUMMARY

Human CTLA-4 (Fc)

(CD152)

Purified Factor	Product Number	HC67738A	50.0 ug
		HC67738B	200.0 ug

DESCRIPTION:

Human CTLA-4 (Cytotoxic T-Lymphocyte Associated antigen-4) also known as CD152, is a receptor (along with CD28) of the immunoglobulin super-family. CTLA-4 and related ligands are expressed on antigen presenting cells and play crucial role in T and B cell regulation and immune response. Ligands reacting with CTLA-4 helps maintain T cell homeostasis and "self tolerance" inhibitory signals. CTLA-4 is poorly expressed on dendritic cells.

This recombinant human CTLA-4 (Fc) is a glycosylated homodimer with 714 aa. residues, with 124 aa. monomer extracellular domain. Total molecular weight (dimer with fusion protein) is approximately 79 kDa, but gel migration shows apparent MW of approx. 50 kDa (monomer) and 85 kDa (dimer) by SDS-PAGE reducing conditions.

SOURCE: CHO cells
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug Human CTLA-4

BIOLOGICAL ACTIVITY:
Testing in progress.

HANDLING AND STORAGE:

Purified Human CTLA-4 factor is provided lyophilized and free of additives. Store lyophilized, at -20° C. **Spin-down** vial prior to opening.

Reconstitute with 50 uL distilled water, then further dilute in PBS or other buffered solutions containing 0.1% BSA. Store small aliquots at -20° C, with addition of 0.1% BSA, for long-term storage -up to 3 months, at high concentration.

Microcentrifuge before reconstitution. Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend micro-centrifuging for 30 seconds to spin-down all material.

RESEARCH USE ONLY -NOT for DRUG USE

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