

# ANTIGENIX AMERICA, INC.

## PRODUCT INFORMATION SUMMARY

### Human sCD4

Purified Factor	Product Number	HC67734A	10.0 ug
		HC67734B	50.0 ug

#### DESCRIPTION:

Human CD4 ( cluster determinant-4) also known as T4 and IL-16 receptor, is a member of the immunoglobulin family of receptors. CD4 is involved in T-cell differentiation and activation and is expressed primarily on macropages, dendritic cells, and subset of thymocytes. CD4 is the receptor by which HIV is known to enter target cells.

This recombinant human sCD4 is glycosylated monomeric glycoprotein with 371 aa extracellular domain. Total molecular weight is approximately 41 kDa, but gel migration shows apparent mw of approx. 50 kDa by SDS-PAGE and reducing conditions.

**SOURCE:** CHO cells  
Purity > 96% by HPLC analysis  
Endotoxin < 0.1 ng per ug Human FGFR3

#### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**  
Activity determined by ability to bind HeLa cells expressing MHC-II molecules.

#### HANDLING AND STORAGE:

Purified Human sCD4 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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