

ANTIGENIX AMERICA inc.

## PRODUCT INFORMATION SUMMARY

### Human sIL-2R Alpha

( TAC antigen)

PRODUCT NUMBER	HC70041B	25.0 ug
	HC70041A	5.0 ug

#### DESCRIPTION:

Human Interleukin-2 Receptor Alpha (IL-2R Alpha) is a transmembrane protein that is part of the IL-2 Receptor system. The entire extracellular domain of IL-2R Alpha is a 219 aa soluble protein termed sIL-2R Alpha. It binds to IL-2 and results in IL-2 cell signaling. This soluble IL-2R Alpha if expressed on activated T and B cells, most leukemia and lymphoma cells and a small subset of NK cells. Human soluble IL-2R Alpha is a 24.8 kDa protein containing 219 amino acid residues.

#### SOURCE:

CHO cells

Purity greater than 98% by HPLC analysis.

Endotoxin level less than 0.1 ng per ug IL-2R alpha.

MW: 24.8 kDa

#### HANDLING AND STORAGE:

**Spin-down vial before reconstitution.** Lyophilized, purified IL- 2R alpha should be reconstituted with 50 uL of **distilled or sterile water**. Further dilute in PBS or other aqueous buffers containing 0.1% BSA. This can be stored in small aliquots frozen, with addition of 0.1% BSA, at -20° C. for up to 3 months.

#### BIOACTIVITY:

At concentration from 1.0 - 1.5 ug/mL (experimentally optimize), ability to increase proliferation of Mouse CTLL-2 cells in presence of approx. 1.0 ng/mL recombinant IL-2.

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