

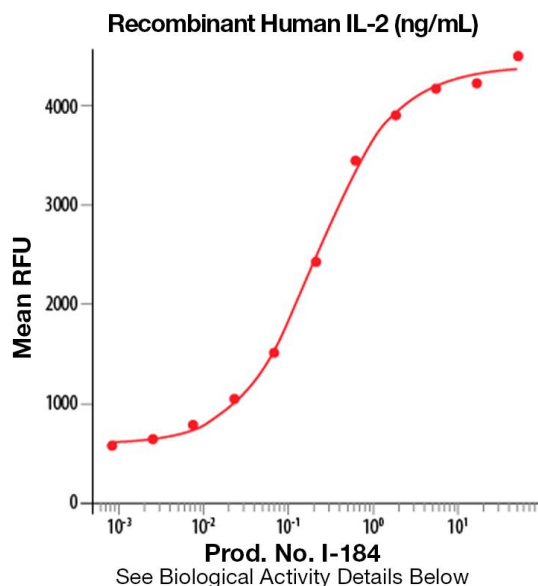
Product Datasheet

www.leinco.com



Recombinant Human IL-2

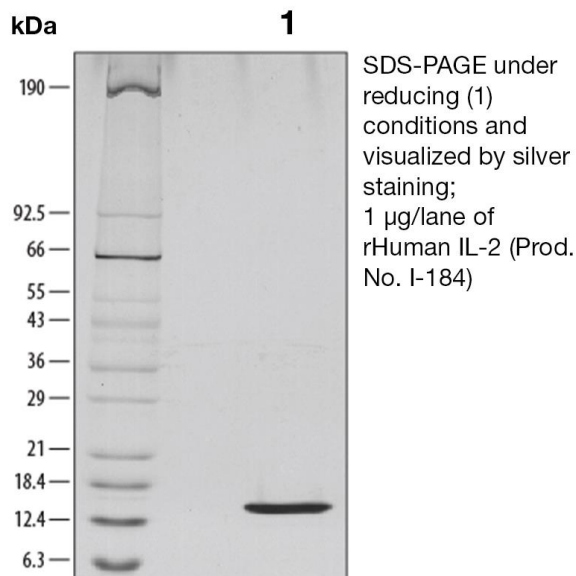
Recombinant Protein



Product Information

Product No.: I-184

Storage: -20°C to -70°C



Product Description

Background:

IL-2 is a 17.2 kD cytokine signaling protein that is the regulator of the proliferative and suppressive phases of the immune response, and stimulates growth and differentiation of B cells, NK cells, LAK cells, monocytes, and oligodendrocytes. It functions as a primary regulator of T cell homeostasis. IL-2

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

410 Axminster Dr, St. Louis, MO 63026

(800) 538-1145

leincoglobal@leinco.com

Product Datasheet

www.leinco.com



regulates the activities of white blood cells and plays a role in the immune system via “self” and “non-self” discrimination. IL-2 is a prime candidate in immunotherapeutics for both increasing T cell levels/function and for augmenting vaccine-elicited viral-specific T cell responses. IL-2 signal can be transduced via 3 different signaling pathways that include the JAK-STAT, PI3K/Akt/mTOR and MAPK/ERK pathways. Aldesleukin is a form of recombinant interleukin-2 for the treatment of cancers including malignant melanoma and renal cell cancer. Furthermore, there is additional therapeutic potential for IL-2 mAb use with transplants and autoimmune disease.

Known Reactivity Species:

Human

Expression Host:

E. coli Cells

Formulation

This recombinant protein was lyophilized from 0.2 µm filtered solution in 30%(v/v) Acetonitrile and 0.1%(v/v) TFA.

Purity

>97% by SDS-PAGE and analyzed by silver stain.

Endotoxin

<0.1 EU/µg as determined by the LAL method

Storage and Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C **in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.**

Country of Origin

USA

References

1. Schachter, J. *et al.* (2009) *Cytotherapy* **11**: 206
2. Sodora, DL. *et al.* (2009) *Curr HIV Res.* **7**: 83
3. Alcocer-Varela, J. *et al.* (2009) *Autoimmun Rev.* **9**(1):34-9.

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

410 Axminster Dr, St. Louis, MO 63026

(800) 538-1145

leincoglobal@leinco.com