

## 32-190046: IL-10 (human) (Recombinant) (untagged)(Discontinued)

**Application :** Functional Assay

**Reactivity :** Human

**Alternative Name :** Interleukin-10; Cytokine Synthesis Inhibitory Factor; CSIF

### Description

Source :E. coli

Specific Interleukin-10 (IL-10) is a cytokine produced by activated Th2 cells, B cells, keratinocytes and monocytes/macrophages. In vitro murine and human IL-10 inhibits cytokine synthesis by Th1 cells, natural killer cells and monocytes/macrophages. Several studies have suggest the potential application of IL-10 as an anti-inflammatory agent in the treatment of septic shock and as an immunosuppressive agent in certain T cell mediated autoimmune diseases.

### Product Info

**Amount :** 50 µg / 10 µg

**Purification :** >=95% (SDS-PAGE)

**Content :** Reconstitute 10µg vial with 100 µl sterile water to a concentration of 0.1mg/ml.  
Reconstitute 50µg vial with 100 µl sterile water to a concentration of 0.5mg/ml.  
Further dilute in other aqueous solutions.

**Storage condition :** Short Term Storage +4°C ; Long Term Storage-20°C ; Avoid freeze/thaw cycles. Stable for at least 1 year after receipt when stored at -80°C.  
Working aliquots are stable for up to 3 months when stored at -20°C.

**Amino Acid :** Human IL-10 (aa 19-178) with a N-terminal Met.

### Application Note

MW :~18kDa (SDS-PAGE)

Biological Activity: Immobilized human IL-10 at 10µg/ml (100µl/well) can bind Cynomolgus IL-10RA-Fc. The EC50 of Cynomolgus IL-10RA-Fc is 0.24-0.56µg/ml.

Endotoxin Content: <0.01EU/µg protein (LAL test; Lonza).